Estate of Chemetco, Inc.

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February 4, 2013

Erin Rednour
State Project Coordinator
Illinois EPA RPMS/BOL
1021 North Grand Avenue East
Springfield, IL 62794-9276

James L. Morgan
Assistant Attorney General
Environmental Bureau
500 Second Street
Springfield, IL 62706

Re: **4th Quarter 2012 Progress Report**
Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated))

Dear Mrs. Rednour and Mr. Morgan:

As required by paragraph 34 of Section X. REPORTING REQUIREMENTS of the Interim Order, this letter documents the progress by the Bankruptcy Estate of Chemetco, Inc. ("Estate") during the months of October, November, and December and are being reported under the 4th Quarter 2012 Progress Report. If you have any questions, please do not hesitate to contact me at my office, 618/254-4381 x372 or by cell phone at 314-348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y Garcia

Jorge Y. Garcia PG
EH&S Manager

CC: Michelle Kerr, USEPA Region 5 Superfund
Chris Cahnovsky, Regional Mgr, IEPA-Collinsville Office
Donald Samson, Trustee
Elliott Stegin, IAD/Paradigm
Penni Livingston, Livingston Law Firm

INTERIM ORDER
4TH QUARTER 2012
PROGRESS REPORT

ESTATE OF CHEMETCO, INC.
HARTFORD, ILLINOIS

February 4, 2013

ESTATE OF CHEMETCO
3754 CHEMETCO LANE
HARTFORD, ILLINOIS 62048

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SECTIONONE Compliance Actions

1.0 Actions Taken Toward Achieving Compliance with the Interim Order in 4th Quarter 2012:

1.1 Copper Furnace Cleanup Solids Work Plan for Sales of Facility Assets

1.1.1 Copper Furnace Cleanup Solids Shipments

During the 4th Qtr 2012, the Estate did not ship any Copper Furnace Cleanup Solids (CFCS) material.

1.1.2 Copper Furnace Cleanup Solids - Demobilization and Decontamination

No demobilization and decontamination activities associated with CFCS shipments occurred during the 4th Quarter 2012.

1.1.3 Copper Furnace Cleanup Solids - Waste Generation

Solid Waste: No solid wastes associated with the shipments of CFCS were generated in the 4th Quarter 2012.

Decon Debris: No decon and/or debris associated with the shipments of CFCS was generated in the 4th Quarter 2012.

Wastewaters/Sludges: No wastewater/sludge associated with the management of CFCS was generated in the 4th Quarter 2012.

1.2 Copper Zinc and Lead Concentrate (Mixed Fines) Work Plan for Sales of Facility Assets

The work was completed during the 4th Quarter 2012 and a summary of completion report will be submitted to the regulatory agencies during the 1st Qtr 2013.

1.2.1 Copper Zinc and Lead Concentrate (Mixed Fines) Shipments

During the 4th Quarter 2012, the Estate sold approximately 1,600 Metric Tons (MT) of mixed fines to CMAC. The Estate and Aerotek loaded the mixed fines into 1 MT supersacks. The supersacks were then loaded into 20-ft sea containers for shipment. A total of 81 - 20 ft. sea containers were loaded during the 4th Quarter 2012. A summary of the mixed fines that was shipped internationally during the 4th Quarter 2012 is shown on **Table 1.** A summary of al historical shipments (Scrubber Sludge, Copper Furnace Cleanup Solids, and Mixed Fines) is shown in **Table 2. Tables 1** and **2** are included in **Appendix A.**

SECTIONONE Compliance Actions

1.2.2 Copper Zinc and Lead Concentrate (Mixed Fines) - Demobilization and Decontamination

At the completion of the loading activities, all of the equipment was deconned inside the Dome building. The decon water was contained within the confines of the Dome building and allowed the water to evaporate.

1.2.3 Copper Zinc and Lead Concentrate (Mixed Fines) – Waste Generation

Solid Waste: Solid waste associated with the screening of mixed fines was generated during the 4th Quarter 2012. The solids were determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes (i.e. old supersacks, concrete debris, wooden debris, plastic, metal, etc) were temporarily placed in the southwest corner of the Dome Building to remove metal bearing material (MBM) that is not considered a solid waste. After removal of the MBM, the solid waste contents were transferred to 20 cubic yard (CY) roll offs that the Estate and Aerotek are using for disposal of hazardous waste material during loading activities. When full, the 20 CY roll offs will be managed properly and will be sent off for disposal.

Decon Debris: No decon and/or debris associated with the Mixed Fines were generated during the 4th Quarter 2012.

Wastewaters/Sludges: Small quantities of wastewater/sludges (i.e. decon water) associated with the management of Mixed Fines were generated during the 4th Quarter 2012. The wastewater was generated while deconning the equipment. The wastewater (decon water) was contained within the confines of the Dome building and allowed the water to evaporate.

1.3 Scrap Metal Work Plan for Sales of Facility Assets

During the 4th Qtr 2012, Aerotek and Estate personnel gathered scrap metal that was located throughout the facility, and stock piled it southwest of the former foundry building. In addition, Metro Contract Services (MCS) [subcontractor to the Estate for the removal of the furnaces] removed and prepared the outer steel shell associated with the furnaces for recycling.

1.3.1 Scrap Metal Shipments

During the 4th Qtr 2012, the Estate shipped ~ 34 tons of iron scrap metals to Grossman Steel and ~21 tons of stainless steel, aluminum, and copper spills to Wallach Trading for recycling.

Table 3 presents a summary of all the scrap metal shipped during the 4th Quarter 2012. **Table 4** presents a summary of all historical scrap metal material shipments to

date. **Table 4** *includes scrap metal shipments associated with both;* demolition scrap metal and non demolition scrap metal. It should be noted that beginning in January 2012; no demolition scrap metal was further generated. **Tables 3** and **4** are included in **Appendix B.**

1.3.2 Scrap Metals - Demobilization and Decontamination

No demobilization and decontamination activities associated with scrap metal shipments occurred during the 4th Quarter 2012.

1.3.3 Scrap Metals – Waste Generation

Solid Waste: No solid wastes associated with the shipments of scrap metals were generated in the 4th Quarter 2012.

Decon Debris: No decon and/or debris associated with the shipments of scrap metals were generated in the 4th Quarter 2012.

Wastewaters/Sludges: No wastewater/sludge associated with the management of scrap metals was generated in the 4th Quarter 2012.

1.4 Demolition Work Plan for Sales of Facility Assets

All Demolition Work under the Demolition Work Plan (Demo Plan) was completed during the 4th Quarter 2011 (December 14, 2011). Refer to **Figure 1** for location of the completed demolition areas. A final Demolition Summary Report is expected to be submitted during the 1st Qtr 2013.

1.5 Furnace Removal Work Plan for Sales of Facility Assets

On December 5, 2012, the Estate submitted response to comments to the Furnace Removal Work Plan that was conditionally approved by IEPA. The Estate subcontracted MCS to perform the work. Work began on December 12, 2012,

1.6 Work Plans for RCRA Closures

1.6.1 Brick Shop Container Storage Area Closure Status

A "No Further Action" (NFA) letter was issued by IEPA on March 3, 2010, As such, no further action is required, and closure of the Brick Shop Container Storage Area is considered complete.

SECTIONONE Compliance Actions

1.6.2 AAF Decontamination Area and Sump Closure Status

The Estate submitted respond to comments to the Demolition Summary Report on November 2012. In addition, the Estate electronically submitted a copy of the AAF Closure Report to IEPA. On January 22, 2013, the Estate received a "No Further Action" (NFA) letter for the AAF Closure Report, as such, no further action is required, and closure of the AAF Decontamination Area and Sump Area is considered complete. The AAF Closure Report will be included as an Appendix to the Final Demolition Summary Report and is expected to be submitted during the 1st Qtr 2013.

1.6.3 Black Acid Tank Closure Status

On December 14, 2011, a meeting between IEPA USEPA, the Estate, and Paradigm personnel was held at the site to discuss deliverables for the completion of demolition work. During the meeting, IEPA indicated that the Black Acid Tank would not be able to obtain RCRA closure status due to soil contamination. The DSR was electronically submitted on May 31, 2012 and stated that a subsurface characterization may be warranted. No further action is required at this time.

1.7 Waste Management

During the 4th Quarter 2012, the Estate generated hazardous and non-hazardous waste as part of its daily site activities. Hazardous Waste material was generated during the copper furnace cleanup solids and zinc copper lead (Mixed Fines) loading activities.

The summary breakdown of hazardous and non-hazardous material is described below:

1.7.1 Hazardous Waste

Satellite Containers: At the end of the 4th Quarter 2012 the Estate did not have any satellite containers that required disposal.

1.7.2 Hazardous Waste Containers – Awaiting Disposal

At the end of the 4th Quarter 2012 the Estate had seven (7) 20 Cubic Yard (CY) roll off containing hazardous waste containers awaiting disposal.

SECTIONONE Compliance Actions

1.7.3 Hazardous Waste Disposal

During the 3rd Qtr 2012, the Estate inadvertently left out a manifest for disposal of a 40 CY roll off container of hazardous waste. The roll off contained misc. debris (i.e. wood debris, concrete debris, fiber supersacks, PPE, etc.) associated with the DIS Fines and Copper Furnace Cleanup loading activities. The roll off was originally picked up on July 20, 2012 and sent to the Heritage Landfill in Indianapolis for proper disposal.

During the 4th Qtr 2012, the Estate disposed of the following Hazardous Waste.

- One 40 CY roll off container of hazardous waste. The roll off contain miscellaneous debris (i.e. wood debris, fiber supersacks, PPE, cardboard boxes, etc.) impacted with lead and cadmium and were generated from scrubber sludge/mixed with fines and copper furnace cleanup solids loading activities.
- One 55-gal steel drum containing spent aeresol cans that were not disposed during demolition activities was picked up by Heritage and sent to Heritage Landfill in Indianapolis for proper disposal.

A summary of hazardous waste disposed during the 4th Qtr 2012 is presented in **Table 4**. A summary of all historical hazardous waste disposals to date is presented in **Table 5. Tables 4** and **5** are located in **Appendix C**.

1.7.4 Disposal of Non-Hazardous Waste(s)

The Estate generates non-hazardous waste (ex. empty paper and administrate office, bathrooms and lunch room) during the 4th Qtr 2012.
These wastes were disposed in the site's municipal waste dumpster serviced by Robert Sanders Waste Systems, Inc. at the Roxanna Landfill. These wastes are considered everyday normal waste and are not included in any tables associated with Demolition and/or loading activities.

A summary of non-hazardous waste disposed during the 4th Qtr 2012 is presented in **Table 6**. A summary of all historical non-hazardous waste disposals is presented in **Table 7** located in **Appendix C**.

SECTIONONE Compliance Actions

1.8 Operation and Maintenance Status

1.8.1 Operations and Maintenance (O&M) Plans Status

On October 24, 2008, the Estate submitted to the State of Illinois the following required Operation and Maintenance Plans that are currently awaiting approval by IEPA:

(1) Fugitive Emissions Plan
(2) Stormwater Management Plan
(3) Groundwater Monitoring Plan
(4) Security Plan

The Estate met with IEPA and USEPA, and Paradigm during the 3rd Qtr 2012 to discuss the upgrading of the Plans as part of the Consent Decree negotiations. Revisions to the O&M Plan and Fugitive Emissions Plan, Storm water Management Plan, and Security Plan were made during the end of the 4th Qtr 2012 and currently are being reviewed internally. A copy of the O&M plan is expected to be submitted to the IEPA and USEPA during the 1st Qtr 2013 for review and approval. It should be noted that the Fugitive Emissions Plan, Storm water Management Plan, and Security Plan will be included as Appendices to the O&M plan. Also, at this time the Estate will not be submitting an updated Groundwater Monitoring Plan.

18.2 Fugitive Emissions Plan

There was no evidence of reportable fugitive emissions during the 4th Qtr 2012 at the Chemetco site.

1.8.3. Stormwater Management Plan

As required by the Estate's NPDES Permit IL0025747 Outfall #005, copies of the electronically Discharge Monitoring Reports and analytical results for the discharge of stormwater from the Stormwater Basin for the months of October, November, and December 2012 are located in **Appendix D**.

1.8.4 Groundwater Monitoring Plan

The Estate does not perform any groundwater monitoring.

1.8.5 Security Plan

Since the 2nd Quarter 2011 the Estate has been submitting monthly security reports.

SECTIONONE Compliance Actions

A summary of 4th Quarter 2012 action items included:

- Security Cameras were readjusted to obtain a wider view angle of the facility areas.

Security reports submitted during the 4th Quarter 2012 are included in **Appendix E**.

SECTIONTWO Summary of Results

2.0 Summary of Results of Sampling, Tests, and Other Data Received in 4th Quarter 2012:

2.1 Sales Materials Shipping Data. During the 4th Qtr 2012, the Estate shipped 81 intermodal sea containers and sold approximately ~1,600 Metric Tons (MT) of mixed fines to California Metals and Alloy Corp. (CMAC). In addition, ~34 tons of iron scrap steel was sold to Grossman Steel, and ~ 21 tons of stainless steel, aluminum, and copper spills were sold to Wallach Trading. Sale and shipping activities are described in Section 1. Summary **Tables (1** and **2)** of shipping data generated during the 4th Quarter 2012 and all of the historical data are included in **Appendix A.**

2.2 Stormwater Release Data

The Estate of Chemetco manages stormwater through the NPDES Permit IL0025747 Outfall #005 (Stormwater Retention Basin). Surface water samples are collected monthly. Analytical data of eDMR (Electronic Discharge Monitoring Report) are electronically submitted to IEPA via state's website. Hard copies of the eDMR forms are included in **Appendix D.**

During the 4th Quarter 2012, all parameters and constituents were below IEPA Effluent Water Quality Standards, except for Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS). COD results for October, and November were above the IEPA Effluent Water Quality Standards. TSS results for November, and December exceeded IEPA Effluent Water Quality Standards. It should be noted that during the months of October, November, and December water levels at the retention basin were below discharge levels and no discharge flow occurred during the sampling events.

Table 9 presents a summary of 4th Quarter 2012 analytical results and is included in **Appendix D.**

SECTIONTHREE Completed Deliverables

3.0 Identify Submitted and Completed Work Plans and Other Deliverables Required by Interim Order in 4th Quarter 2012

3.1 The Estate submitted Work Plans and Other Deliverables as follows:

The Estate has completed all of the work associated with the following Work Plans:

- Cupro Work Plan
- Pot Slag Work Plan
- Caustic Tank Work Plan
- Scrubber Sludge Work Plan
- Copper Zinc Lead (Mixed Fines) Work Plan
- Demolition Work Plan

Summary Closure letter reports for the above Work Plans will be submitted during the 4th Qtr 2012 and 1st Qtr 2013, and are briefly summarized in Section 3.2 and 5.

3.1.1 Interim Order 3rd Quarter 2012 Progress Report

The Estate submitted the 3rd Quarter 2012 Progress Report, Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)), dated December 4, 2012, to Erin Rednour, IEPA and James Morgan, Attorney General's office as required by the Interim Order. It should be noted that the Interim Order, which was set to expire on September 16, 2011, has been extended several times; (February 1, 2012, April 30, 2012, September 4, 2012, and January 31, 2013). The IO has been further extended through March 31, 2013 to allow continuation of existing work under the approved work plans.

3.1.2 Circuitry Board and Shredded Circuitry Board Work Plan

On January 25, 2012, the Estate of Chemetco submitted a Work Plan to IEPA requesting approval to sell Circuitry Board (CB) and Shredded Circuitry Board Material (SCBM) that is currently located west of the former Foundry building and next to the former scale. The SCBM is currently stored in Gaylord boxes inside the Receiving Building. During the 2nd Qtr, 2012, the Estate received conditional IEPA approval for the CB and SCBM and is currently waiting for an updated certificate of recycling. Due to the slow response from the original buyer, the Estate is currently negotiating with other potential buyers.

SECTIONTHREE Completed Deliverables

3.1.3 Copper Zinc and Lead Concentrate (Mixed Fines) Work Plan

On July 12, 2012, the Estate submitted a Copper Zinc and Lead Concentrate (Mixed Fines) Work Plan to IEPA requesting approval to sell the mixed fines that are currently stored in the Fines Building, the material was accumulated by AIS during demolition activities and contains miscellaneous debris that will require to be screened out. On September 21, the Estate received conditionally approval to begin screening the material.

3.2 Completed Work Plans and Other Deliverables

3.2.1 Cupro Work Plan

The Cupro Work Plan was completed in the 2nd and 3rd Quarter 2010. All of the Cupro Material has been sold, and no further shipment of saleable Cupro material is expected. A closure letter report was submitted on January 7, 2013.

3.2.2 Pot Slag Work Plan

The last shipment of Pot Slag under the Pot Slag Work Plan was completed in the 1st Qtr 2010. A closure letter report was submitted on January 7, 2013.

3.2.3 Caustic Tank Work Plan

The Caustic Tank Work Plan was completed in the 4th Qtr 2010. The Caustic Tanks was sold to Tank Trailer Cleaning (TTC) and removed from the Site and no additional work associated with the Caustic Tank is expected. A closure letter report was submitted on January 7, 2013.

3.2.4 Scrubber Sludge Work Plan

The Scrubber Sludge Work Plan was completed on August 14, 2012. All of the Scrubber Sludge and Scrubber Sludge mixed with fines have been sold, and no further shipment of saleable Scrubber Sludge and Scrubber Sludge mixed with fines is expected. A closure letter report was submitted on January 30, 2013.

3.2.5 Copper Zinc Lead (Mixed Fines) Work Plan

The Mixed Fines Work Plan was completed in November 29, 2012. All of the mixed fines have been sold, and no further shipment of saleable mixed fines is expected. A closure letter report will be submitted during the 1st Qtr 2013.

SECTIONTHREE Completed Deliverables

3.2.6 Demolition Work Plan

The Demolition Work Plan was completed in December 16, 2011, and the Demolition Work is considered complete. On July 3, 2012 the Estate received comments on the DSR and continues to complete outstanding items that were identified in response to the DSR. Once all of the items are addressed, the Estate will prepare responses and submit a final DSR. The Estate submitted response to comments to IEPA and EPA during the 4th Qtr 2012 and is expecting comment approval and submit a final DSR during the 1st Qtr 2013.

3.2.7 Other Deliverables - Contained herein are copies of:

1. Summary of Mixed Fines shipments during 4th Quarter 2012, and Summary historical for all shipments are included as **Tables 1** and **2** located in **Appendix A**.

2. Summary of 4th Quarter 2012 and historical Scrap Metal shipments, **Tables 3** and **4** located in **Appendix B**.

3. Summary of 4th Quarter 2012 Hazardous Wastes and Non-Hazardous Waste, and historical Hazardous Wastes and Non-Hazardous disposal during the 4th Quarter 2012 are included in **Tables 5, 6,** 7 and **8** and are located in **Appendix C**.

4. Stormwater Discharge Monitoring Reports and summary of analytical results are presented in **Table 9** located in **Appendix D**.

5. Monthly Security Plan and Action Items Reports, located in **Appendix E.**

SECTIONFOUR Scheduled Actions for 1st Qtr 2013

4.0 Describe Actions Scheduled for 1st Quarter 2013 and Information Related to Progress.

4.1 Shipments Sales of Facility Assets

4.1.1 Furnace Removal Shipments

The Estate and MCS expect to complete the removal of the furnaces and load the gear mechanisms of the furnaces for shipping to Metallo Inc. during the 1st Qtr 2013.

4.1.2 Scrap Metal Shipments

The Estate expects to continue cutting metal from the furnaces and gathering scrap metal through the facility during the 1st Qtr 2013.

4.1.3 Copper Furnace Cleanup Solids (CFCS) Shipments

The Estate expects to ship CFCS material during the 1st Qtr 2013. The CFCS was generated from the screening activities. In addition, CFCS is found below the furnaces and may begin removal of the CFCS material.

4.2 Demolition Summary Report

The Estate submitted response to comments to the Demolition Summary Report (DSR) during the 4th Qtr 2012, and expects to receive approval from IEPA and USEPA to submit Final DSR during the 1st Qtr 2013

4.3 Unprocessed Metal Bearing Material Work Plan

During a conference call between Paradigm Minerals, the Estate, IEPA, and USEPA, Paradigm requested approval to evaluate the potential for selling "Skulls" and "Surface Spills" and other "Unprocessed Metal Bearing Material" located throughout various locations within the slag pile at the Chemetco Site. IEPA and USEPA agreed, and an Unprocessed Metal Bearing Material (UMBM) Work Plan is expected to be submitted during the 4th Qtr 2012. Paradigm submitted an UMBM Work Plan during the 4th Qtr 2012. During the 4th Qtr conferences call between Paradigm, IEPA, and USEPA to discuss the UMBM Work Plan. Paradigm expects to submit response to comments during the 1st Qtr 2013.

SECTIONFOUR Scheduled Actions for 1st Qtr 2013

4.4 Processing Work Plan

Information associated with the status of the Processing Work Plan is solely being addressed by Paradigm Minerals & Environmental Services and representatives of USEPA, IEPA.

4.5 O&M Plan and Appendices Work Plan

The Estate revised the O&M Plan and Appendices during the 4th Qtr 2012 and expects to submit to the agencies the revised O&M Work Plan and Appendices during the 1st Qtr 2013.

SECTIONFIVE Completed Action items

5.0 Percentage of Completion, Delays, and Mitigation

5.1 Shipments and Sales of Facility Assets

5.1.1 Cupro Shipments

Shipment of all saleable Cupro is 100% complete. The Estate shipped 111 intermodal sea containers and sold approximately 2,240 MT of Cupro. A summary completion report was submitted to the regulatory agencies on January 7, 2013.

5.1.2 Pot Slag Shipments

Shipment of all saleable Pot Slag is approximately 100% complete. The Estate shipped approximately 193 MT of Pot Slag. A summary completion report was submitted to the regulatory agencies on January 7, 2013.

5.1.3 Caustic Tank Work Plan

TTC removed the NaOH and the Poly AST during the 4th Quarter 2010 in accordance with the approved work plan. The tank was properly deconned by TTC using hot clean water brought from their facility, after deconning and removal of the water, the AST was loaded and transported to their facility in East St. Louis for their use. The Caustic Tank was removed and the work is deemed complete. A summary completion report was submitted to the regulatory agencies on January 7, 2013.

5.1.4 Scrubber Sludge/Mixed with Fines Shipments

Shipment of all saleable Scrubber Sludge/Mixed with Fines is 100% complete. The Estate shipped 368 intermodal sea containers and sold approximately 7,200 MT of Scrubber Sludge/Mixed with Fines. A summary completion report was submitted to the regulatory agencies on January 30, 2013.

5.1.5 Copper Zinc Lead (Mixed Fines) Work Plan

Shipment of all saleable Copper Zinc (Mixed Fines) is 100% complete. The Estate shipped 81 intermodal sea containers and sold approximately 1,600 MT of Mixed Fines. A summary completion report will be submitted to the regulatory agencies during the 1st Qtr 2013

SECTIONFIVE Completed Action items

5.1.6 Demolition Work Plan

AIS completed the demolition of the Foundry Building, Baghouse, AAF Area, and the interior of the Tank House as described in the approved Demo Plan. Demolition Work is deemed COMPLETED.

On July 3, 2012, the Estate received comments on the Demolition Summary Report (DSR). The Estate expects to submit respond to comments in the 4th Qtr 2012.

5.2 Work Plans for RCRA Closures

5.2.1 Brick Shop Container Storage Area

100% complete and requires No Further Action and is considered CLOSED.

5.2.2 AAF Decontamination Area and Sump

The AAF Closure Report was completed by NPN Environmental on behalf of the Estate during the 3rd Qtr 2012. The AAF Closure Report will be included as an Appendix to the Final Demolition Summary Report and is expected to be submitted during the 1st Qtr 2013.

5.2.3 Black Acid Tank

The Demolition Summary Report was electronically submitted on May 31, 2012 and stated that a subsurface characterization may be warranted. No further action is required at this time.

SECTIONSIX Modifications

6.0 Modifications to Work Plans or Schedules Proposed or Approved by IEPA:

6.1 Work Plan Modifications

The Interim Order (IO) was set to expire on September 16, 2011. The Estate, Paradigm and IEPA were able to agree and obtain an extension to the Interim Order till December 4, 2011 in order to complete the Demolition Work. Because all existing work under the already approved work plan was not completed, multiple extensions were approved for February 1, 2012, April 30, 2012, September 4, 2012, and January 31, 2013. The IO has been further extended through March 31, 2013 to complete all of the work under the already approved work plans.

During the 4th Qtr 2012, there were no modifications to existing Work Plans approved by IEPA. However, the Estate spoke with IEPA regarding the selling and shipping of additional Fines Material that is currently located in the North Polishing Pond and former Sump Area adjacent to the former AAF area. A Work Plan associated with this work is expected to be submitted during the 1st Qtr 2013.

6.2 Schedule Modifications

During the 4th Qtr 2012, modifications to existing Proposed Schedules were as follows: Proposed by IEPA.

6.2.1 Processing Work Plan

Paradigm submitted a work plan titled "Scrubber Sludge and Slag Process Plan" dated March 4, 2011. Paradigm continues to work on additional deliverables. During the June 22, 2011 Demolition Activities Kick-off Meeting, Paradigm personnel, informed the IEPA that an Interim Pilot Plant Report could be submitted to IEPA and USEPA during the 3rd Qtr 2011. On August 15, 2011, Paradigm submitted a report titled "Supplemental Pilot Plant Summary Report" to IEPA and USEPA. Additional information associated with the Pilot Plant Treatability Study (i.e. Processing Work Plan) is solely being addressed by Paradigm Minerals & Environmental Services and representatives of USEPA, IEPA.

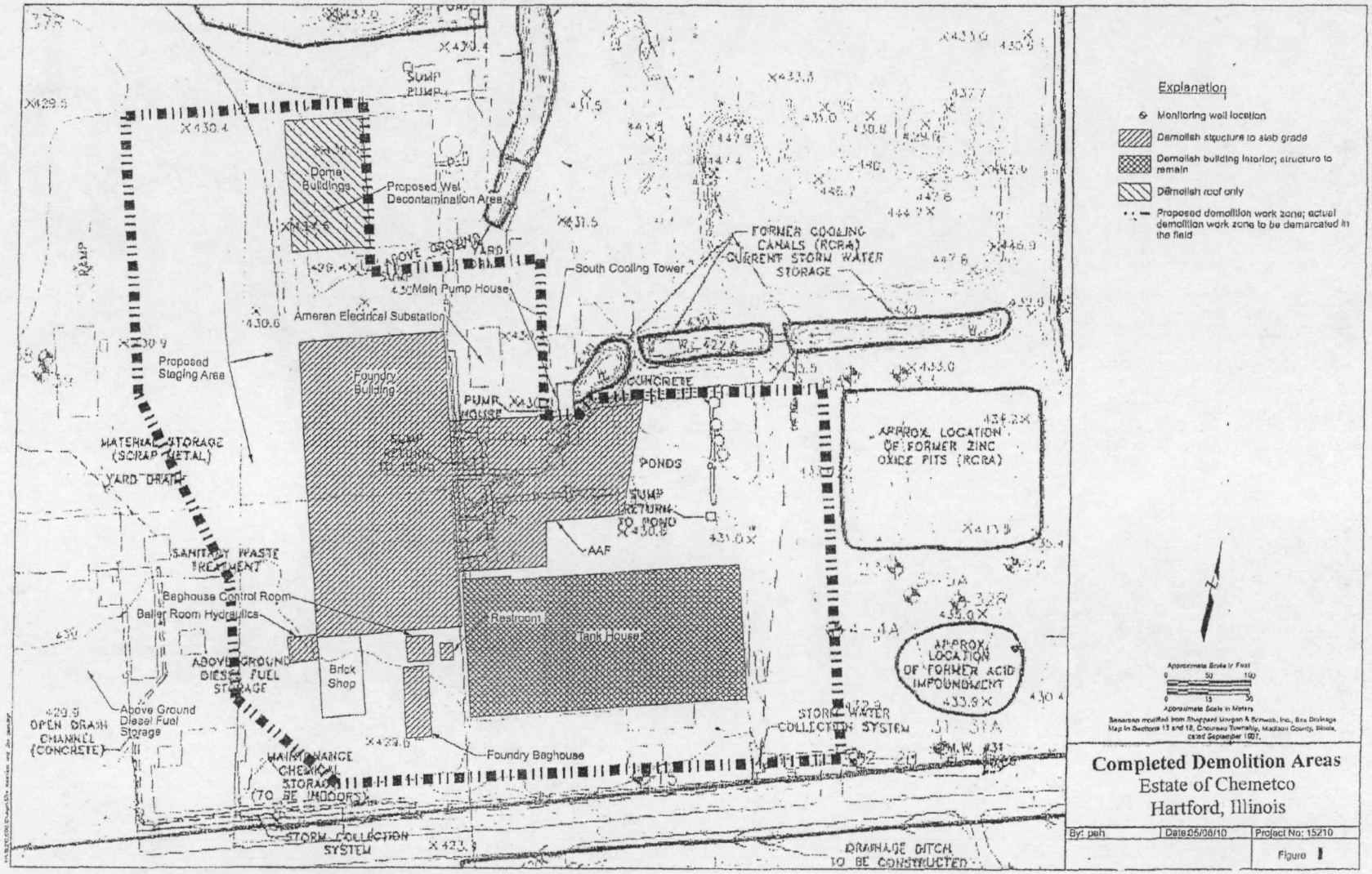
6.2.2 Demolition Work Plan

Final Demo Work Plan was approved by IEPA on June 24, 2010. Demolition work began in June 3rd Quarter 2010. The main power was shut off on December 3, 2010

SECTIONSIX Modifications

to complete the work in the AFF area and begin work in the foundry building. Temporary generators were brought it to provide temporary power. Due to inclement whether, AIS informed IEPA and USEPA their intention to shutdown demolition activities. No Demolition activities occurred between January 19, 2011 of the 1st Qtr 2011 and June 30, 2011 of the 2nd Qtr 2011.

Figures



Completed Demolition Areas
Estate of Chemetco
Hartford, Illinois

By: peh	Date:05/06/10	Project No: 15210
		Figure 1

APPENDIX A

Scrubber Sludge/Mixed with Fines and Mixed Fines Shipments

TABLE 1
Summary of Zinc Copper Lead (Mixed Fines) Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
1	10/12/2012	50791	TEMU 237558-9	19,673	19.67
2	10/12/2012	50792	CMAU 017917-0	19,591	19.59
3	10/12/2012	50793	TEMU 255625-2	19,698	19.70
4	10/12/2012	50794	ECMU 194360-2	19,837	19.84
5	10/15/2012	50795	CMAU 121641-0	19,772	19.77
6	10/15/2012	50796	ECMU 130569-7	19,874	19.87
7	10/15/2012	50797	ECMU 164835-6	19,737	19.74
8	10/15/2012	50798	BSIU 207889-6	19,826	19.83
9	10/15/2012	50799	IPXU 320766-6	19,842	19.84
10	10/16/2012	50800	UESU 237064-0	19,456	19.46
11	10/16/2012	50801	BSIU 204332-8	19,502	19.50
12	10/16/2012	50802	CMAU 106077-6	19,627	19.63
13	10/16/2012	50803	TGHU 117650-0	19,732	19.73
14	10/16/2012	50804	GATU 112313-8	19,706	19.71
15	10/16/2012	50805	CAXU 686111-8	19,738	19.74
16	10/17/2012	50806	GESU 346627-6	19,657	19.66
17	10/17/2012	50807	TEMU 254917-1	19,723	19.72
18	10/17/2012	50808	TEMU 252789-2	19,660	19.66
19	10/17/2012	50809	TCLU 306930-7	19,800	19.80
20	10/17/2012	50810	CMAU 213796-0	19,642	19.64
21	10/18/2012	50811	ECMU 113016-1	19,787	19.79
22	10/18/2012	50812	CRXU 174986-1	19,547	19.55
23	10/18/2012	50813	CMAU 179725-4	19,887	19.89
24	10/18/2012	50814	ECMU 156251-9	19,700	19.70
25	10/19/2012	50815	TGHU 353406-0	19,686	19.69
26	10/25/2012	50816	ECMU 163367-5	19,605	19.61
27	10/25/2012	50817	GESU 211371-5	19,838	19.84
28	10/26/2012	50818	OTAU 263346-0	19,733	19.73
29	10/26/2012	50819	IPXU 315908-5	19,635	19.64
30	10/26/2012	50820	ECMU 201564-5	19,764	19.76
31	10/29/2012	50822	GLDU 325595-8	19,682	19.68
32	10/26/2012	50821	CMAU 103647-1	19,660	19.66
33	10/29/2012	50823	FCIU 368281-4	19,775	19.78
Total Mixed Fines Shipped in October 2012 :				**650,392**	**650.39**

Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
1	11/12/2012	50824	ECMU 113873-2	19,735	19.74
2	11/12/2012	50825	CLHU 336028-1	19,713	19.71
3	11/12/2012	50826	CMAU 016351-1	19,688	19.69
4	11/12/2012	50827	FCIU 224908-1	19,730	19.73
5	11/13/2012	50828	ECMU 131201-6	19,841	19.84
6	11/13/2012	50829	TRLU 881341-0	19,827	19.83
7	11/14/2012	50830	ECMU 150583-8	19,697	19.70
8	11/14/2012	50831	XINU 130021-4	19,622	19.62
9	11/14/2012	50832	CMAU 111014-1	19,752	19.75
10	11/14/2012	50833	IPXU 335551-3	19,748	19.75
11	11/15/2012	50834	CMAU 156219-9	19,758	19.76
12	11/15/2012	50835	CMAU 169410-6	19,684	19.68
13	11/15/2012	50836	TGHU 118126-1	19,749	19.75
14	11/15/2012	50837	ECMU 199980-7	19,834	19.83
15	11/16/2012	50838	TCKU 192605-0	19,659	19.66
16	11/16/2012	50839	TCKU 366942-8	19,790	19.79
17	11/16/2012	50840	CMAU 181666-8	19,737	19.74
18	11/16/2012	50841	CMAU 125707-1	19,777	19.78
19	11/16/2012	50842	CMAU 101661-8	19,724	19.72
20	11/19/2012	50843	CMAU 169385-6	19,729	19.73
21	11/19/2012	50844	IPXU 325125-2	19,744	19.74

TABLE 1
Summary of Zinc Copper Lead (Mixed Fines) Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
22	11/19/2012	50845	CMNU 300241-2	19,836	19.84
23	11/19/2012	50846	GESU 246217-3	19,873	19.87
24	11/19/2012	50847	CMAU 001939-8	19,734	19.73
25	11/19/2012	50848	CMAU 203759-6	19,780	19.78
26	11/19/2012	50849	TEMU 318700-9	19,708	19.71
27	11/20/2012	50850	ECMU 110749-6	19,652	19.65
28	11/20/2012	50851	XINU 123588-6	19,828	19.83
29	11/20/2012	50852	TRHU 177393-5	19,845	19.85
30	11/20/2012	50853	CMAU 127214-2	19,866	19.87
31	11/20/2012	50854	FCIU 460674-2	19,778	19.78
32	11/20/2012	50855	CMAU 185600-1	19,696	19.70
33	11/21/2012	50856	TGHU 223306-1	19,789	19.79
34	11/21/2012	50857	XINU 108330-9	19,694	19.69
35	11/21/2012	50858	TEMU 324048-5	19,594	19.59
36	11/21/2012	50859	IPXU 350487-5	19,624	19.62
37	11/21/2012	50860	CAXU 655156-0	19,674	19.67
38	11/27/2012	50861	ECMU 143681-9	19,669	19.67
39	11/27/2012	50862	CMAU 169594-6	19,666	19.67
40	11/27/2012	50863	ECMU 204755-5	19,712	19.71
41	11/27/2012	50864	CARU 372623-2	19,741	19.74
42	11/28/2012	50865	TCKU 254020-4	19,813	19.81
43	11/28/2012	50866	ECMU 175594-5	19,616	19.62
44	11/28/2012	50867	TRHU 165461-7	19,754	19.75
45	11/29/2012	50868	ECMU 159682-2	19,840	19.84
46	11/29/2012	50869	CMAU 139360-6	19,832	19.83
47	11/29/2012	50870	CMAU 030001-8	19,776	19.78
48	11/29/2012	50871	CMAU 203259-4	19,835	19.84
Total Mixed Fines Shipped in November 2012 :				**947,763**	**947.76**

TABLE 2

Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments

4th Quarter 2012 Progress Report

Estate of Chemetco

Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	10/26/2011	50480	MEDU 672108-0	19,893	19.89
	2	10/26/2011	50481	MSCU 105790-1	19,702	19.70
	3	10/27/2011	50482	GLDU 512907-5	20,518	20.52
C	4	10/27/2011	50483	MEDU 399990-4	20,091	20.09
M	5	10/28/2011	50484	GLDU 334013-4	19,826	19.83
A	6	10/28/2011	50485	TCKU 323567-4	19,875	19.88
C	7	10/28/2011	50486	TRLU 888921-0	20,391	20.39
	8	10/28/2011	50487	MEDU 612964-1	20,070	20.07
	9	10/31/2011	50488	MEDU 611760-9	20,111	20.11
	10	10/31/2011	50489	MEDU 611462-1	20,243	20.24
	11	10/31/2011	50490	GLDU 335567-0	20,163	20.16
	12	10/31/2011	50491	CARU 220915-3	20,109	20.11
	Total Scrubber Sludge/mixed with Fines Shipped in October 2011:				**240,992**	**241**
	1	11/1/2011	50491	MEDU 351891-1	20,182	20.18
	2	11/1/2011	50492	MEDU 233219-9	20,227	20.23
	3	11/1/2011	50493	MSCU 305186-2	20,026	20.03
	4	11/1/2011	50494	MEDU 658727-0	20,313	20.31
	5	11/1/2011	50495	MSCU 125440-7	20,134	20.13
	6	11/2/2011	50496	MEDU 249061-4	20,243	20.24
	7	11/2/2011	50497	GLDU 396860-3	20,139	20.14
	8	11/4/2011	50498	MSCU 635384-5	20,178	20.18
C	9	11/4/2011	50499	MEDU 660763-2	20,285	20.29
M	10	11/4/2011	50500	MSCU 307407-1	20,209	20.21
A	11	11/4/2011	50501	MEDU 648164-7	20,270	20.27
C	12	11/4/2011	50502	TGHU 340349-7	19,824	19.82
	13	11/7/2011	50503	FSCU 313097-0	19,656	19.66
	14	11/29/2011	50504	MSCU 341356-0	19,806	19.81
	15	*11/29/2011*	*50505*	*MSCU 329369-7*	*19,807*	19.81
	16	11/29/2011	50506	MEDU 101377-2	19,770	19.77
	17	11/29/2011	50507	MSCU 332190-5	19,807	19.81
	18	11/30/2011	50508	CAXU617240-1	19,813	19.81
	19	11/30/2011	50509	MEDU 645666-5	19,809	19.81
	20	11/30/2011	50510	TPHU 820127-0	19,810	19.81
	21	11/30/2011	50511	MEDU 244619-1	19,802	19.80
	Total Scrubber Sludge/mixed with Fines Shipped in November 2011 :				**420,110**	**420**

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	12/1/2011	50512	MSCU 132227-1	19,809	19.81
	2	12/1/2011	50513	TCLU 213251-3	10,801	10.80
	3	12/2/2011	50514	GLDU 507841-9	19,854	19.85
	4	12/2/2011	50515	MSCU 240922-6	19,807	19.81
	5	12/2/2011	50516	CAIU 273165-0	19,811	19.81
	6	12/2/2011	50517	MEDU 640866-7	10,791	10.79
	7	12/2/2011	50518	DFSU 244050-6	19,771	19.77
	8	12/5/2011	50519	MEDU 175344-4	19,809	19.81
	9	12/5/2011	50520	GLDU 394641-4	19,811	19.81
	10	12/5/2011	50521	MEDU 243995-2	19,792	19.79
C	11	12/5/2011	50522	CAIU 280639-0	19,811	19.81
M	12	12/5/2011	50523	CAIU 280626-0	19,808	19.81
A	13	12/5/2011	50524	MEDU 277071-8	19,810	19.81
C	14	12/6/2011	50525	MEDU 645660-2	19,808	19.81
	15	12/6/2011	50526	MSCU 208888-8	19,803	19.80
	16	12/6/2011	50527	MEDU 643511-1	19,806	19.81
	17	12/6/2011	50528	MSCU 166839-3	19,800	19.80
	18	12/7/2011	50529	CAIU 280625-5	19,807	19.81
	19	12/7/2011	50530	MSCU 189551-9	19,810	19.81
	20	12/7/2011	50531	MEDU 116877-4	19,806	19.81
	21	12/8/2011	50532	MEDU 212783-0	19,810	19.81
	22	12/7/2011	50533	CLHU 275722-7	19,811	19.81
	23	12/7/2011	50534	MSCU 154260-9	19,811	19.81
	24	12/7/2011	50535	GLDU 519112-7	19,813	19.81
	25	12/8/2011	50536	MSCU 203421-7	19,811	19.81

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	26	12/8/2011	50537	MEDU 161288-9	19,819	19.82
	27	12/9/2011	50538	MEDU 639471-1	19,808	19.81
	28	12/9/2011	50541	MEDU 621498-0	19,810	19.81
	29	12/9/2011	50539	MEDU 308320-7	19,815	19.82
	30	12/9/2011	50540	MSCU 145135-0	19,808	19.81
	31	12/9/2011	50542	FSCU 341936-6	19,807	19.81
	32	12/9/2011	50543	MSCU 243989-5	19,811	19.81
	33	12/9/2011	50544	CARU 213675-6	19,810	19.81
C	34	12/12/2011	50545	TRLU 884486-0	19,805	19.81
M	35	12/12/2011	50546	MEDU 378884-0	19,810	19.81
A	36	12/12/2011	50547	MEDU 326660-9	19,811	19.81
C	37	12/12/2011	50548	FSCU 353295-8	19,810	19.81
	38	12/13/2011	50549	GATU 032033-8	19,813	19.81
	39	12/13/2011	50550	CRXU 232324-8	19,812	19.81
	40	12/13/2011	50551	IPXU 385950-9	19,811	19.81
	41	12/13/2011	50552	GLDU 508538-3	19,813	19.81
	42	12/14/2011	50553	CRXU 206754-7	19,813	19.81
	Total Scrubber Sludge/mixed with Fines Shipped in December 2011:				813,967	814

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	11/7/2011	49875	GSTU517759-2	19,774	19.77
	2	11/8/2011	49876	ECMU151997-6	19,802	19.80
	3	11/8/2011	49877	ECMU196142-1	19,808	19.81
	4	11/8/2011	49878	TEMU258915-3	19,799	19.80
	5	11/8/2011	49879	CMAU111289-0	19,802	19.80
	6	11/8/2011	49880	BMOU 217455-4	19,633	19.63
	7	11/9/2011	49881	TGHU138526-5	19,551	19.55
H	8	11/10/2011	49882	CMAU018299-6	19,768	19.77
&	9	11/10/2011	49884	CMAU116683-4	19,799	19.80
H	10	11/10/2011	49883	CMAU164386-0	19,758	19.76
	11	11/10/2011	49885	IPXU391374-4	19,759	19.76
M	12	11/10/2011	49886	ECMU202611-0	19,761	19.76
E	13	11/10/2011	49887	CMAU193548-2	19,800	19.80
T	14	11/15/2011	49888	ECMU112505-7	19,810	19.81
A	15	11/15/2011	49889	CMAU213270-0	19,805	19.81
L	16	11/15/2011	49890	CLHU 376319-0	19,787	19.79
S	17	11/15/2011	49891	CMAU032271-6	19,811	19.81
	18	11/15/2011	49892	CMAU193308-9	19,523	19.52
	19	11/16/2011	49893	CAIU229180-1	19,808	19.81
	20	11/16/2011	49894	CMAU150920-8	19,810	19.81
	21	11/16/2011	49895	ECMU180716-5	19,805	19.81
	22	11/16/2011	49896	ECMU129679-0	19,802	19.80
	23	11/17/2011	49897	BMOU203425-4	19,804	19.80
	24	11/17/2011	49898	ECMU187657-2	19,804	19.80
	25	11/17/2011	49899	CLHU 307267-0	19,811	19.81
	26	11/17/2011	49900	TRLU967524-0	19,794	19.79
	27	11/18/2011	49901	CNCU283678-5	19,800	19.80
	28	11/18/2011	49902	TGHU 002801-0	19,791	19.79
	29	11/21/2011	49903	ECMU148767-3	19,768	19.77
	30	11/22/2011	49904	TRLU 905603-4	19,806	19.81
	31	11/22/2011	49905	ECMU 167878-4	19,808	19.81
	32	11/23/2011	49906	TRLU 303080-8	19,744	19.74
	33	11/23/2011	49907	ECMU 204171-0	19,806	19.81
	34	11/23/2011	49908	FCIU 366452-8	19,764	19.76
	35	11/23/2011	49909	CMAU 178634-7	19,802	19.80
	36	11/23/2011	49910	SGCU 156536-0	19,778	19.78
	Total Scrubber Sludge/mixed with Fines Shipped in November 2011:				711,855	712

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	12/14/2011	49911	CMAU 155727-4	19,813	19.81
	2	12/14/2011	49912	CMAU 178720-9	19,812	19.81

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	3	12/14/2011	49913	CRXU 157205-6	19,806	19.81
	4	12/15/2011	49914	TGHU 360260-5	19,821	19.82
	5	12/15/2011	49915	DFSU 204786-5	19,812	19.81
	6	12/15/2011	49916	GATU 077268-3	19,813	19.81
	7	12/15/2011	49917	IPXU 336114-1	19,811	19.81
	8	12/15/2011	49918	ICSU 497319-1	19,813	19.81
	9	12/16/2011	49919	CMAU 185789-0	19,811	19.81
H	10	12/16/2011	49920	ECMU 183983-5	19,812	19.81
&	11	12/16/2011	49921	CMAU 211572-3	19,807	19.81
H	12	12/16/2011	49922	ECMU 1214056-5	19,808	19.81
	13	12/19/2011	49923	DVRU 139231-5	19,812	19.81
M	14	12/19/2011	49924	ECMU 178195-0	19,810	19.81
E	15	12/19/2011	49925	BMOU 203145-0	19,811	19.81
T	16	12/19/2011	49926	ECMU 181351-1	19,812	19.81
A	17	12/19/2011	49927	IPXU 335221-6	19,811	19.81
L	18	12/20/2011	49928	ECMU 114001-0	19,809	19.81
S	19	12/21/2011	49929	CLHU 283227-5	19,808	19.81
	20	12/21/2011	49930	CMAU 142135-4	19,809	19.81
	21	12/21/2011	49931	GSTU 475248-6	19,812	19.81
	22	12/21/2011	49932	CMAU 211874-3	19,805	19.81
	23	12/21/2011	49933	ECMU 172718-3	19,807	19.81
	24	12/21/2011	49934	TGHU 131564-8	19,813	19.81
	25	12/22/2011	49935	CMAU 176975-6	19,810	19.81
	26	12/22/2011	49936	ECMU 187672-0	19,811	19.81
	27	12/22/2011	49937	CMAU 028488-0	19,809	19.81
	28	12/22/2011	49938	XINU120806-8	19,809	19.81
	29	12/27/2011	49939	TRLU 899567-6	19,811	19.81
	30	12/27/2011	49940	TGHU 131408-7	19,811	19.81
	31	12/27/2011	49941	DVRU 160133-3	19,810	19.81
	32	12/27/2011	49942	GVCU 226631-6	19,811	19.81
	33	12/28/2011	49943	ECMU 129910-4	19,806	19.81
	Total Scrubber Sludge/mixed with Fines Shipped in December 2011:				653,746	654

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	1/4/2012	49944	HLXU 305466-1	19,810	19.81
	2	1/4/2012	49945	HLXU 228242-0	19,812	19.81
	3	1/4/2012	49946	FSCU 307094-7	19,808	19.81
H	4	1/5/2012	49947	GLDU 200378-2	19,811	19.81
&	5	1/5/2012	49948	GATU 032909-0	19,812	19.81
H	6	1/5/2012	49949	CPSU 163479-0	19,813	19.81
	7	1/6/2012	49950	HLXU 337688-4	19,712	19.71
M	8	1/6/2012	49951	FLBU 311473-5	19,812	19.81
E	9	1/9/2012	49952	FSCU 303207-9	19,811	19.81
T	10	1/9/2012	49953	GLDU 351256-8	19,800	19.80
A	11	1/9/2012	49954	HLXU 333807-7	19,812	19.81
L	12	1/9/2012	49955	CRXU 321107-3	19,812	19.81
S	13	1/9/2012	49956	GATU 135022-9	19,812	19.81
	14	1/10/2012	49957	CPSU 130669-9	19,808	19.81
	15	1/10/2012	49958	CPSU 130970-1	19,809	19.81
	16	1/10/2012	49959	FCIU 304080-9	19,813	19.81
	17	1/11/2012	49960	CPSU 179178-4	19,812	19.81
	18	1/11/2012	49961	TCKU 196162-0	19,812	19.81
	Total Scrubber Sludge/mixed with Fines Shipped in January 2012:				356,491	356

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	3/14/2012	50554	TGHU 391020-7	19,609	19.61
	2	3/15/2012	50555	ECMU 122947-3	19,841	19.84
	3	3/15/2012	50556	TRHU 150513-0	19,808	19.81
	4	3/15/2012	50557	CMAU 181553-2	19,811	19.81
	5	3/16/2012	50558	FCIU 213716-3	19,811	19.81
	6	3/16/2012	50559	CMAU 100424-2	19,809	19.81

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	7	3/16/2012	50560	ECMU 221434-9	19,810	19.81
	8	3/19/2012	50561	TRLU 961540-4	19,810	19.81
	9	3/19/2012	50562	CMAU 114984-2	19,812	19.81
	10	3/19/2012	50563	TCKU 243306-3	19,809	19.81
C	11	3/19/2012	50564	TGHU 303201-6	19,781	19.78
M	12	3/19/2012	50565	TTNU 311789-5	19,206	19.21
A	13	3/20/2012	50566	CMAU 140553-8	19,758	19.76
C	14	3/20/2012	50567	GESU 118992-7	19,692	19.69
	15	3/20/2012	50568	GESU 237207-0	19,627	19.63
	16	3/20/2012	50569	ECMU 204731-8	19,083	19.08
	17	3/21/2012	50570	CMAU 192849-9	19,591	19.59
	18	3/21/2012	50571	ECMU 109715-0	19,877	19.88
	19	3/21/2012	50572	CMAU 136675-0	19,735	19.74
	20	3/21/2012	50573	INBU 381184-4	19,595	19.60
	21	3/22/2012	50574	CLHU 257992-7	19,607	19.61
	22	3/22/2012	50575	CMAU 125836-0	19,427	19.43
	23	3/22/2012	50576	ECMU 147242-0	19,809	19.81
	24	3/22/2012	50577	TEMU 289616-5	19,901	19.90
	25	3/23/2012	50578	TEMU 317584-1	19,467	19.47
	26	3/30/2012	50579	XINU 145933-5	19,821	19.82
	27	3/30/2012	50580	CMAU 021185-7	19,623	19.62
	28	3/30/2012	50581	CMAU 175557-8	19,614	19.61
	Total Scrubber Sludge/mixed with Fines Shipped in March, 2012 :				551,144	551

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	4/2/2012	50582	ECMU 178205-1	19,631	19.63
	2	4/2/2012	50583	CMAU 003516-7	19,910	19.91
	3	4/2/2012	50584	ECMU 174179-3	19,732	19.73
	4	4/2/2012	50585	XINU 120271-1	19,628	19.63
	5	4/2/2012	50586	CMAU 111756-8	19,467	19.47
	6	4/3/2012	50587	TGHU 116741-1	19,746	19.75
	7	4/3/2012	50588	GESU 305810-3	19,755	19.76
	8	4/3/2012	50589	ECMU 188605-6	19,892	19.89
	9	4/3/2012	50590	ECMU 172186-3	19,396	19.40
	10	4/4/2012	50591	CMAU 119756-3	19,044	19.04
C	11	4/4/2012	50592	CMAU 132587-5	19,867	19.87
M	12	4/4/2012	50593	ECMU 151843-4	19,834	19.83
A	13	4/4/2012	50594	ECMU 135258-0	19,508	19.51
C	14	4/4/2012	50595	BSIU 215134-3	19,764	19.76
	15	4/4/2012	50596	ECMU 117939-3	19,529	19.53
	16	4/5/2012	50597	SCZU 799182-9	19,529	19.53
	17	4/5/2012	50598	CRXU 192287-4	19,827	19.83
	18	4/5/2012	50599	CLHU 324115-3	19,892	19.89
	19	4/5/2012	50600	ECMU 215449-2	19,405	19.41
	20	4/5/2012	50601	ECMU 186539-3	19,843	19.84
	21	4/5/2012	50602	TRLU 895247-9	19,708	19.71
	22	4/6/2012	50603	DVRU 139289-2	19,683	19.68
	23	4/13/2012	50604	ECMU 127265-4	19,898	19.90
	24	4/13/2012	50605	TCKU 266529-0	19,825	19.83
	25	4/13/2012	50606	ECMU 144077-9	19,833	19.83
	26	4/13/2012	50607	CLHU 242121-1	19,806	19.81
	27	4/16/2012	50608	UNIU 205322-2	19,858	19.86
	28	4/16/2012	50609	BHCU 301869-0	19,901	19.90
	29	4/16/2012	50610	CMAU 160424-7	19,862	19.86
	30	4/16/2012	50611	TRLU 929557-4	19,898	19.90
	31	4/17/2012	50612	GESU 319535-9	19,789	19.79
	32	4/17/2012	50613	TTNU 347134-2	19,500	19.50
	33	4/17/2012	50614	SCZU 773067-7	19,763	19.76
	34	4/17/2012	50615	ECMU 220238-0	19,520	19.52
	35	4/18/2012	50616	DVRU 161901-3	19,920	19.92
	36	4/18/2012	50617	CLHU 299248-4	19,724	19.72
	37	4/18/2012	50618	IPXU 301819-5	19,568	19.57

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	38	4/18/2012	50619	TEMU 252710-4	19,609	19.61
	39	4/18/2012	50620	BMOU 218527-1	19,544	19.54
	40	4/19/2012	50621	TGHU 128430-0	19,607	19.61
	41	4/19/2012	50622	FCIU 460023-5	19,720	19.72
	42	4/19/2012	50623	CMAU 190439-4	19,868	19.87
	43	4/19/2012	50624	TEMU 323793-8	19,857	19.86
	44	4/19/2012	50625	ECMU 168613-0	19,568	19.57
	45	4/20/2012	50626	ECMU 212700-7	19,687	19.69
C	46	4/20/2012	50627	CMAU 159227-5	19,783	19.78
M	47	4/20/2012	50628	FCIU 280870-2	19,624	19.62
A	48	4/20/2012	50629	INBU 386561-9	19,711	19.71
C	49	4/23/2012	50630	CMAU 152116-3	19,098	19.10
	50	4/23/2012	50631	ECMU 213917-9	19,584	19.58
	51	4/23/2012	50632	ECMU 178759-9	19,805	19.81
	52	4/23/2012	50633	TEMU 283806-6	19,612	19.61
	53	4/23/2012	50634	SGCU 198380-1	19,535	19.54
	54	4/23/2012	50635	GESU 303770-7	19,894	19.89
	55	4/24/2012	50636	GESU 268946-5	19,518	19.52
	56	4/24/2012	50637	CMAU 011390-6	19,534	19.53
	57	4/24/2012	50638	CMAU 186751-5	19,711	19.71
	58	4/24/2012	50639	IPXU 331768-4	19,812	19.81
	59	4/25/2012	50640	CMAU 178520-6	19,440	19.44
	60	4/25/2012	50641	TEMU 262464-0	19,585	19.59
	61	4/25/2012	50642	CMAU 218516-6	19,559	19.56
	62	4/25/2012	50643	FCIU 214484-0	19,524	19.52
	63	4/25/2012	50644	DVRU 151505-0	19,434	19.43
	64	4/25/2012	50645	ECMU 122465-6	19,638	19.64
	65	4/25/2012	50646	ECMU 196681-9	19,532	19.53
	66	4/26/2012	50647	CRXU 185564-7	19,217	19.22
	67	4/26/2012	50648	CMAU 195812-7	19,710	19.71
	68	4/26/2012	50649	DVRU 151126-6	19,525	19.53
	69	4/26/2012	50650	TEMU 259206-0	19,654	19.65
	70	4/26/2012	50651	ECMU 219174-7	19,551	19.55
	71	4/27/2012	50652	CMAU 028872-0	19,689	19.69
	72	4/27/2012	50653	CMAU 163178-8	19,550	19.55
	73	4/27/2012	50654	TGHU 110505-0	19,797	19.80
	74	4/27/2012	50655	ECMU 149709-6	19,773	19.77
	75	4/27/2012	50656	ECMU 184315-7	19,671	19.67
	76	4/27/2012	50657	TRLU 371858-1	19,763	19.76
	77	4/30/2012	50658	CAIU 232518-3	19,730	19.73
	78	4/30/2012	50659	DFSU 208876-1	19,670	19.67
	79	4/30/2012	50660	CMAU 106412-8	19,782	19.78
	80	4/30/2012	50661	CMAU 166413-8	19,749	19.75
	81	4/30/2012	50662	TGHU 134334-1	19,850	19.85
	Total Scrubber Sludge/mixed with Fines Shipped in April 2012 :				1,593,329	1,593

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	5/1/2012	50663	DVRU 162118-1	19,570	19.57
	2	5/1/2012	50664	CMAU 159250-5	19,442	19.442
	3	5/2/2012	50665	TRHU 175232-0	19,639	19.639
	4	5/2/2012	50666	BMOU 217594-6	19,830	19.83
	5	5/2/2012	50667	GVCU 202738-0	19,871	19.871
	6	5/3/2012	50668	GESU 244499-2	19,449	19.449
C	7	5/3/2012	50669	ECMU 113312-9	19,884	19.884
M	8	5/3/2012	50670	TEMU 317758-8	19,717	19.717
A	9	5/3/2012	50671	FCIU 287779-2	19,815	19.815
C	10	5/3/2012	50672	TGHU 349774-7	19,829	19.829
	11	5/4/2012	50673	TEMU 319124-6	19,662	19.662
	12	5/4/2012	50674	ECMU 129154-6	19,585	19.585
	13	5/4/2012	50675	ECMU 178053-1	19,709	19.709
	14	5/4/2012	50676	CMAU 197013-8	19,482	19.482
	15	5/7/2012	50677	ECMU 129832-4	19,713	19.713

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	16	5/7/2012	50678	GESU 112135-7	19,861	19.861
	Total Scrubber Sludge/mixed with Fines Shipped in May 2012 :				315,058	315

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	6/1/2012	50679	ECMU 174910-9	19,767	19.77
	2	6/1/2012	50680	GLDU 541851-9	19,726	19.73
	3	6/1/2012	50681	GVCU 204743-1	19,858	19.86
	4	6/1/2012	50682	CMAU 032042-0	19,756	19.76
	5	6/1/2012	50683	CMAU 187772-4	19,813	19.81
	6	6/1/2012	50684	XINU 108439-4	19,618	19.62
	7	6/4/2012	50685	ECMU 110109-7	19,804	19.80
	8	6/4/2012	50686	ECMU 130224-0	19,658	19.66
	9	6/4/2012	50687	CMAU 026486-2	19,742	19.74
	10	6/5/2012	50688	TGHU 130412-9	19,631	19.63
	11	6/5/2012	50689	TGHU 161468-0	19,680	19.68
	12	6/5/2012	50690	TGHU 130713-3	19,685	19.69
	13	6/5/2012	50691	GESU 111675-1	19,795	19.80
	14	6/6/2012	50692	ECMU 163639-6	19,819	19.82
	15	6/6/2012	50693	ECMU 217259-9	19,832	19.83
C	16	6/6/2012	50694	GVCU 206916-9	19,708	19.71
M	17	6/6/2012	50695	ECMU 200581-6	19,606	19.61
A	18	6/6/2012	50696	GESU 296748-4	19,762	19.76
C	19	6/6/2012	50697	IPXU 330612-3	19,615	19.62
	20	6/7/2012	50698	CMAU 170374-3	19,812	19.81
	21	6/7/2012	50699	CRXU 309784-4	19,760	19.76
	22	6/7/2012	50700	TEMU 256011-8	19,818	19.82
	23	6/7/2012	50701	DVRU 148590-6	19,830	19.83
	24	6/8/2012	50702	FCIU 333896-4	19,767	19.77
	25	6/8/2012	50703	CNCU 150608-0	19,692	19.69
	26	6/20/2012	50704	ECMU 149991-0	19,861	19.86
	27	6/20/2012	50705	ECMU 172978-2	19,639	19.64
	28	6/20/2012	50706	ECMU 152092-0	19,786	19.79
	29	6/21/2012	50707	CRXU 185808-1	19,887	19.89
	30	6/21/2012	50708	CMAU 112278-0	19,744	19.74
	31	6/21/2012	50709	TGHU 001918-0	19,795	19.80
	32	6/22/2012	50710	XINU 154891-5	19,801	19.80
	33	6/22/2012	50711	ECMU 118567-3	19,811	19.81
	34	6/22/2012	50712	GATU 052045-0	19,732	19.73
	35	6/22/2012	50713	CMAU 124182-0	19,872	19.87
C	36	6/22/2012	50714	GLDU 534603-9	19,713	19.71
M	37	6/25/2012	50715	ECMU 193786-8	19,841	19.84
A	38	6/25/2012	50716	CAXU658307-0	19,819	19.82
C	39	6/25/2012	50717	CRXU 313808-0	19,885	19.89
	40	6/25/2012	50718	ECMU 171244-0	19,690	19.69
	41	6/25/2012	50719	CLHU 342692-2	19,788	19.79
	42	6/25/2012	50720	TEMU 258334-5	19,884	19.88
	43	6/25/2012	50721	ECMU 150034-8	19,436	19.44
	44	6/26/2012	50722	IPXU 323700-1	19,901	19.90
	45	6/26/2012	50723	GESU 127572-7	19,709	19.71
	Total Scrubber Sludge/mixed with Fines Shipped in June 2012 :				889,148	889

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	8/3/2012	50724	TEMU 240754-1	19,793	19.79
	2	8/3/2012	50725	CMAU 013294-8	19,810	19.81
	3	8/3/2012	50726	TGHU 137848-2	19,846	19.85
	4	8/3/2012	50727	ECMU 116930-6	19,686	19.69
	5	8/3/2012	50728	CMAU 183069-2	19,843	19.84
	6	8/6/2012	50729	ECMU 129919-3	19,673	19.67
	7	8/6/2012	50730	DVRU 146086-8	19,742	19.74
	8	8/6/2012	50731	IPXU 343977-0	19,708	19.71
C	9	8/6/2012	50732	CRXU 132561-0	19,586	19.59

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
M	10	8/6/2012	50733	GLDU 204376-4	19,725	19.73
A	11	8/7/2012	50734	TGHU 192491-6	19,823	19.82
C	12	8/7/2012	50735	CMAU 144990-0	19,768	19.77
	13	8/7/2012	50736	UNIU 204827-3	19,770	19.77
	14	8/7/2012	50737	CMAU 130909-3	19,800	19.80
	15	8/7/2012	50738	CLHU 303621-0	19,772	19.77
	16	8/8/2012	50739	FCIU 452161-9	19,742	19.74
	17	8/8/2012	50740	UNIU 204779-1	19,780	19.78
	18	8/8/2012	50741	ECMU 132225-1	19,815	19.82
	19	8/8/2012	50742	SGCU 000324-5	19,793	19.79
	20	8/8/2012	50743	CMAU 217832-0	19,899	19.90
	21	8/8/2012	50744	TEMU 317034-6	19,697	19.70
	22	8/9/2012	50746	TGHU 395725-1	19,664	19.66
	23	8/9/2012	50745	TRLU 884941-3	19,603	19.60
	24	8/9/2012	50748	ECMU 154152-1	19,614	19.61
	25	8/9/2012	50747	BMOU 206294-0	19,818	19.82
C	26	8/9/2012	50749	GESU 319523-5	19,731	19.73
M	27	8/9/2012	50750	CNCU 282389-6	19,583	19.58
A	28	8/10/2012	50751	CMAU 130528-8	19,638	19.64
C	29	8/10/2012	50752	GATU 113512-3	19,534	19.53
	30	8/10/2012	50753	DVRU 145181-9	19,678	19.68
	31	8/13/2012	50754	ECMU 193922-2	19,677	19.68
	32	8/13/2012	50755	ECMU 143714-2	19,780	19.78
	33	8/13/2012	50756	ECMU 218214-9	19,849	19.85
	34	8/13/2012	50757	ECMU 127461-5	19,745	19.75
	35	8/13/2012	50758	GATU 076220-0	19,837	19.84
	36	8/14/2012	50759	TGHU 319625-5	19,876	19.88
	Total Scrubber Sludge/mixed with Fines Shipped in August 2012 :				710,698	710.70

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	9/6/2012	50760	CMAU 032263-4	19,725	19.73
	2	9/6/2012	50761	ECMU 175985-3	19,806	19.81
	3	9/6/2012	50762	CMAU 217154-2	19,724	19.72
C	4	9/6/2012	50763	CMAU 143794-1	19,596	19.60
M	5	9/7/2012	50764	CLHU 263767-0	19,805	19.81
A	6	9/7/2012	50765	FCIU 265486-5	19,699	19.70
C	7	9/7/2012	50766	TEMU 293441-3	19,680	19.68
	8	9/7/2012	50767	CMAU 181155-8	19,713	19.71
	9	9/7/2012	50768	ECMU 183996-4	19,659	19.66
	10	9/10/2012	50769	GSTU 360186-5	19,697	19.70
	11	9/10/2012	50770	TCKU 205605-7	19,670	19.67
	12	9/10/2012	50771	CAIU 232747-9	19,760	19.76
	13	9/10/2012	50772	GESU 278195-1	19,726	19.73
	14	9/10/2012	50773	TGHU 394496-9	19,430	19.43
	15	9/11/2012	50774	CRXU 332146-6	19,627	19.63
	16	9/11/2012	50775	CMAU 002567-8	19,798	19.80
	17	9/11/2012	50776	CLHU 254526-0	19,743	19.74
	18	9/11/2012	50777	FCIU 462856-7	19,812	19.81
	19	9/11/2012	50778	IPXU 327335-4	19,739	19.74
	20	9/12/2012	50779	TRLU 888079-0	19,693	19.69
	21	9/12/2012	50780	IPXU 305257-0	19,557	19.56
	22	9/12/2012	50781	TTNU 163744-0	19,901	19.90
C	23	9/12/2012	50782	GESU 308133-5	19,699	19.70
M	24	9/12/2012	50783	GLDU 538939-1	19,756	19.76
A	25	9/12/2012	50784	CMAU 133590-8	19,833	19.83
C	26	9/19/2012	50785	DVRU 146506-8	19,854	19.85
	27	9/19/2012	50786	CMAU 200920-7	19,836	19.84
	28	9/20/2012	50790	ECMU 219649-8	19,742	19.74
	29	9/20/2012	50787	TEMU 255723-8	19,836	19.84
	30	9/20/2012	50788	XINU 102539-1	19,808	19.81
	31	9/20/2012	50789	ECMU 183340-0	19,849	19.85
	Total Copper Furnace Cleanup Solids Shipped in September 2012 :				611,773	611.77

TABLE 2

Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments

4th Quarter 2012 Progress Report

Estate of Chemetco

Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
C M A C	1	10/12/2012	50791	TEMU 237558-9	19,673	19.67
	2	10/12/2012	50792	CMAU 017917-0	19,591	19.59
	3	10/12/2012	50793	TEMU 255625-2	19,698	19.70
	4	10/12/2012	50794	ECMU 194360-2	19,837	19.84
	5	10/15/2012	50795	CMAU 121641-0	19,772	19.77
	6	10/15/2012	50796	ECMU 130569-7	19,874	19.87
	7	10/15/2012	50797	ECMU 164835-6	19,737	19.74
	8	10/15/2012	50798	BSIU 207889-6	19,826	19.83
	9	10/15/2012	50799	IPXU 320766-6	19,842	19.84
	10	10/16/2012	50800	UESU 237064-0	19,456	19.46
	11	10/16/2012	50801	BSIU 204332-8	19,502	19.50
	12	10/16/2012	50802	CMAU 106077-6	19,627	19.63
	13	10/16/2012	50803	TGHU 117650-0	19,732	19.73
	14	10/16/2012	50804	GATU 112313-8	19,706	19.71
	15	10/16/2012	50805	CAXU 686111-8	19,738	19.74
	16	10/17/2012	50806	GESU 346627-6	19,657	19.66
	17	10/17/2012	50807	TEMU 254917-1	19,723	19.72
	18	10/17/2012	50808	TEMU 252789-2	19,660	19.66
	19	10/17/2012	50809	TCLU 306930-7	19,800	19.80
	20	10/17/2012	50810	CMAU 213796-0	19,642	19.64
	21	10/18/2012	50811	ECMU 113016-1	19,787	19.79
	22	10/18/2012	50812	CRXU 174986-1	19,547	19.55
	23	10/18/2012	50813	CMAU 179725-4	19,887	19.89
	24	10/18/2012	50814	ECMU 156251-9	19,700	19.70
	25	10/19/2012	50815	TGHU 353406-0	19,686	19.69
	26	10/25/2012	50816	ECMU 163367-5	19,605	19.61
C M A C	27	10/25/2012	50817	GESU 211371-5	19,838	19.84
	28	10/26/2012	50818	OTAU 263346-0	19,733	19.73
	29	10/26/2012	50819	IPXU 315908-5	19,635	19.64
	30	10/26/2012	50820	ECMU 201564-5	19,764	19.76
	31	10/29/2012	50822	GLDU 325595-8	19,682	19.68
	32	10/26/2012	50821	CMAU 103647-1	19,660	19.66
	33	10/29/2012	50823	FCIU 368281-4	19,775	19.78
	Total Mixed Fines Shipped in October 2012 :				**650,392**	**650.39**

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
C M A C	1	11/12/2012	50824	ECMU 113873-2	19,735	19.74
	2	11/12/2012	50825	CLHU 336028-1	19,713	19.71
	3	11/12/2012	50826	CMAU 016351-1	19,688	19.69
	4	11/12/2012	50827	FCIU 224908-1	19,730	19.73
	5	11/13/2012	50828	ECMU 131201-6	19,841	19.84
	6	11/13/2012	50829	TRLU 881341-0	19,827	19.83
	7	11/14/2012	50830	ECMU 150583-8	19,697	19.70
	8	11/14/2012	50831	XINU 130021-4	19,622	19.62
	9	11/14/2012	50832	CMAU 111014-1	19,752	19.75
	10	11/14/2012	50833	IPXU 335551-3	19,748	19.75
	11	11/15/2012	50834	CMAU 156219-9	19,758	19.76
	12	11/15/2012	50835	CMAU 169410-6	19,684	19.68
	13	11/15/2012	50836	TGHU 118126-1	19,749	19.75
	14	11/15/2012	50837	ECMU 199980-7	19,834	19.83
	15	11/16/2012	50838	TCKU 192605-0	19,659	19.66
	16	11/16/2012	50839	TCKU 366942-8	19,790	19.79
	17	11/16/2012	50840	CMAU 181666-8	19,737	19.74
	18	11/16/2012	50841	CMAU 125707-1	19,777	19.78

TABLE 2
Historical Summary of Scrubber Sludge/mixed with fines and Copper Furnace Cleanup Solids, Mixed Fines Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Harford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	19	11/16/2012	50842	CMAU 101661-8	19,724	19.72
	20	11/19/2012	50843	CMAU 169385-6	19,729	19.73
	21	11/19/2012	50844	IPXU 325125-2	19,744	19.74
	22	11/19/2012	50845	CMNU 300241-2	19,836	19.84
	23	11/19/2012	50846	GESU 246217-3	19,873	19.87
	24	11/19/2012	50847	CMAU 001939-8	19,734	19.73
	25	11/19/2012	50848	CMAU 203759-6	19,780	19.78
	26	11/19/2012	50849	TEMU 318700-9	19,708	19.71
	27	11/20/2012	50850	ECMU 110749-6	19,652	19.65
	28	11/20/2012	50851	XINU 123588-6	19,828	19.83
	29	11/20/2012	50852	TRHU 177393-5	19,845	19.85
	30	11/20/2012	50853	CMAU 127214-2	19,866	19.87
	31	11/20/2012	50854	FCIU 460674-2	19,778	19.78
	32	11/20/2012	50855	CMAU 185600-1	19,696	19.70
	33	11/21/2012	50856	TGHU 223306-1	19,789	19.79
	34	11/21/2012	50857	XINU 108330-9	19,694	19.69
	35	11/21/2012	50858	TEMU 324048-5	19,594	19.59
	36	11/21/2012	50859	IPXU 350487-5	19,624	19.62
	37	11/21/2012	50860	CAXU 655156-0	19,674	19.67
C	38	11/27/2012	50861	ECMU 143681-9	19,669	19.67
M	39	11/27/2012	50862	CMAU 169594-6	19,666	19.67
A	40	11/27/2012	50863	ECMU 204755-5	19,712	19.71
C	41	11/27/2012	50864	CARU 372623-2	19,741	19.74
	42	11/28/2012	50865	TCKU 254020-4	19,813	19.81
	43	11/28/2012	50866	ECMU 175594-5	19,616	19.62
	44	11/28/2012	50867	TRHU 165461-7	19,754	19.75
	45	11/29/2012	50868	ECMU 159682-2	19,840	19.84
	46	11/29/2012	50869	CMAU 139360-6	19,832	19.83
	47	11/29/2012	50870	CMAU 030001-8	19,776	19.78
	48	11/29/2012	50871	CMAU 203259-4	19,835	19.84
	Total Mixed Fines Shipped in November 2012 :				**947,763**	**947.76**

APPENDIX B

Scrap Metal Shipments

TABLE 3
Summary Of Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Alton Materials (2)	Tons of Aluminum, Stainless Steel, Copper, Spills,Dros Metal Sold to Wallach Trading Company (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
4th Quarter 2012	327	October 4, 2012	49841	12.7					
	328	October 11, 2012	49842				9.00		
	329	December 11, 2012	49843	14.52					
	330	December 20, 2012	49846	7.01					
	331	December 14, 2012	49844				5.66		
	332	December 14, 2012	49845				6.26		
					TOTAL TONS	0.00	20.92	0.00	0.00

Note:
(1) Short Ton = 2000 lb
(2) Gross Ton = 2240 lb

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2010	1	September 13, 2010	49502	16.05				---	---	NA	NA	NA	NA
	2	September 13, 2010	49503	17.04				---	---	NA	NA	NA	NA
	3	September 13, 2010	49504	9.28				---	---	NA	NA	NA	NA
	4	September 13, 2010	49505	16.43				---	---	NA	NA	NA	NA
	5	September 13, 2010	49506	7.17				---	---	NA	NA	NA	NA
	6	September 13, 2010	49507	17.01				---	---	NA	NA	NA	NA
	7	September 14, 2010	49508	12.05				---	---	NA	NA	NA	NA
	8	September 14, 2010	49509	16.35				---	---	NA	NA	NA	NA
	9	September 14, 2010	49510	11.15				---	---	NA	NA	NA	NA
	10	September 14, 2010	49511	13.29				---	---	NA	NA	NA	NA
	11	September 14, 2010	49512	16.53				---	---	NA	NA	NA	NA
	12	September 14, 2010	49513	13.83				---	---	NA	NA	NA	NA
	13	September 14, 2010	49514	15.52				---	---	NA	NA	NA	NA
	14	September 14, 2010	49515	16.61				---	---	NA	NA	NA	NA
	15	September 15, 2010	49516	13.86				---	---	NA	NA	NA	NA
	16	September 15, 2010	49517	14.88				---	---	NA	NA	NA	NA
	17	September 20, 2010	49518	---	22.20			---	---	NA	NA	NA	NA
	18	September 20, 2010	49519	---	21.89			---	---	NA	NA	NA	NA
	19	September 22, 2010	49520	8.04				---	---	NA	NA	NA	NA
	20	September 22, 2010	49521	7.21				---	---	NA	NA	NA	NA
	21	September 22, 2010	49522	---	21.56			---	---	NA	NA	NA	NA
	22	September 22, 2010	49523	7.29				---	---	NA	NA	NA	NA
	23	September 22, 2010	49524	7.54				---	---	NA	NA	NA	NA
	24	September 22, 2010	49525	12.42				---	---	NA	NA	NA	NA
	25	September 23, 2010	49526	14.81				---	---	NA	NA	NA	NA
	26	September 27, 2010	49527	9.4				---	---	NA	NA	NA	NA
			TOTAL TONS	**293.8**	**65.7**								
4th Quarter 2010	27	October 5, 2010	49529	12.47				---	---	NA	NA	NA	NA
	28	October 7, 2010	49530	11.86				---	---	NA	NA	NA	NA
	29	October 11, 2010	49531	12.19				---	---	NA	NA	NA	NA
	30	October 13, 2010	49532	7.97				---	---	NA	NA	NA	NA
	31	October 14, 2010	49534	10.06				---	---	NA	NA	NA	NA
	32	October 14, 2010	49535	13.96				---	---	NA	NA	NA	NA
	33	October 15, 2010	49536	11.86				---	---	NA	NA	NA	NA
	34	October 18, 2010	49537	11.72				---	---	NA	NA	NA	NA
	35	October 19, 2010	49538	10.70				---	---	NA	NA	NA	NA
	36	October 19, 2010	49539	12.47				---	---	NA	NA	NA	NA
	37	November 2, 2010	49554	8.96				---	---	NA	NA	NA	NA
	38	November 2, 2010	49555	13.40				---	---	NA	NA	NA	NA
	39	November 3, 2010	49556	9.09				---	---	NA	NA	NA	NA
	40	November 8, 2010	49557	13.48				---	---	NA	NA	NA	NA
	41	November 8, 2010	49558	---	---	18.52		---	---	NA	NA	NA	NA
	42	November 8, 2010	49559	12.46				---	---	NA	NA	NA	NA
	43	November 10, 2010	49560	13.92				---	---	NA	NA	NA	NA
	44	November 10, 2010	49561	9.83				---	---	NA	NA	NA	NA
	45	November 11, 2010	49562	10.28				---	---	NA	NA	NA	NA
	46	November 15, 2010	49563	12.34				---	---	NA	NA	NA	NA
	47	November 15, 2010	49564	12.39				---	---	NA	NA	NA	NA
	48	November 17, 2010	49565	11.98				---	---	NA	NA	NA	NA
	49	November 17, 2010	49566	10.79				---	---	NA	NA	NA	NA
	50	December 1, 2010	49567	16.55				---	---	NA	NA	NA	NA
	51	December 2, 2010	49568	15.55				---	---	NA	NA	NA	NA
	52	December 9, 2010	49569	6.46				---	---	NA	NA	NA	NA
	53	December 10, 2010	49570	8.22				---	---	NA	NA	NA	NA
	54	December 14, 2010	FCIU 894056-8				21.82	---	---	NA	NA	NA	NA
			TOTAL TONS	**300.96**	0	**18.52**	**21.82**						

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

1st Quarter 2011	55	January 6, 2011	49571	15.29						NA	NA	NA	NA
	56	January 7, 2011	CAFU 802051-4				21.96			NA	NA	NA	NA
	57	January 10, 2011	CAIU 800920-1				21.72			NA	NA	NA	NA
	58	January 12, 2011	DFSU 620017-0				21.53			NA	NA	NA	NA
	59	January 13, 2011	49572	9.79						NA	NA	NA	NA
	60	January 17, 2011	CAIU 851224-2				21.12			NA	NA	NA	NA
	61	January 17, 2011	49573	9.09						NA	NA	NA	NA
	62	January 19, 2011	49574					14.56		NA	NA	NA	NA
	63	February 17, 2011	49575						8.74	NA	NA	NA	NA
			TOTAL TONS	**34.17**	**0.00**	**0.00**	**86.33**	**14.56**	**8.74**				
2nd Quarter 2011	64	April 11, 2011	NA									A	
	65	April 11, 2011	47175							23.44 (B)	—		
	66	April 11, 2011	47176							24.11 (B)	---		
	67	April 11, 2011	47177							20.09 (B)	—		
	68	May 4, 2011	49576							---	13.08 (C)		
	69	May 11, 2011	49577							---	17.88 (C)		
	70	June 15, 2011	NA									D	
			TOTAL TONS	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**67.74**	**30.96**	**0.00**	**0.00**

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Stainless Steel Sold to Hi-Light International (2)	Motors Sold to Interco Trading Company (2)	Misc. Copper Sold to Wallach Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3) B	Misc. Motors and Crane Parts Sold to Casey Equipment (3) C	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2011	71	August 1, 2011	49590	13.9									
	72	August 1, 2011	49591	10.04									
	73	August 5, 2011	49592	15.12									
	74	August 9, 2011	49593	11.64									
	75	August 12, 2011	HDMU 644809-9	---	---	---	19.20	---	---	---	---	---	---
	76	August 16, 2011	TCNU 740060-0	---	---	---	19.29	---	---	---	---	---	---
	77	August 19, 2011	49594	16.35									
	78	August 19, 2011	49595	13.48									
	79	August 25, 2011	HDMU 633298-2	---	---	---	19.36	---	---	---	---	---	---
	80	August 30, 2011	TNCU 860015-7	---	---	---	19.55	---	---	---	---	---	---
	81	August 30, 2011	49596	14.23									
	82	August 30, 2011	49597	6.61									
	83	September 9, 2011	49598	9.36									
	84	September 9, 2011	49599	7.08									
	85	September 9, 2011	49600	5.54									
	86	September 13, 2011	49601	5.63									
	87	September 13, 2011	49602	7.29									
	88	September 15, 2011	49603	13.92									
	89	September 15, 2011	49604	13.58									
	90	September 16, 2011	49606	11.88									
	91	September 16, 2011	49607	12.12									
	92	September 19, 2011	49608	12.77									
	93	September 19, 2011	49609	10.36									
	94	September 19, 2011	49610	13.75									
	95	September 19, 2011	49611	11.56									
	96	September 19, 2011	49612	11.54									
	97	September 20, 2011	49613	10.76									
	98	September 20, 2011	49614	11.73									
	99	September 20, 2011	49615	9.78									
	100	September 20, 2011	49616	12.84									
	101	September 21, 2011	HDMU 740565-1	---	—	—	19.63	---	---	---	---	---	---
	102	September 23, 2011	49617	13.12									
	103	September 23, 2011	49618	10.63									
	104	September 23, 2011	49619	7.33									

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Stainless Steel Sold to Hi-Light International (2)	Motors& Copper Wire Sold to Interco Trading Company (2)	Misc. Copper Sold to Wallach Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3) B	Misc. Motors and Crane Parts Sold to Casey Equipment (3) C	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2011	105	September 27, 2011	49622	11.45									
	106	September 27, 2011	49623	15.84									
	107	September 27, 2011	49625	9.68									
	108	September 27, 2011	49626	15.16									
	109	September 27, 2011	49627	10.14									
	110	September 27, 2011	49628	9.04									
	111	September 27, 2011	49629	13.80									
	112	September 27, 2011	49630	10.28									
	113	September 27, 2011	49620	---	19.03	---	---	---	---	---	---	---	---
	114	September 27, 2011	49621	---	16.71	---	---	---	---	---	---	---	---
	115	September 27, 2011	49624	---	17.71	---	---	---	---	---	---	---	---
	116	September 28, 2011	49631	12.77									
	117	September 28, 2011	49632	12.63									
	118	September 28, 2011	49633	10.96									
	119	September 28, 2011	49634	8.07									
	120	September 28, 2011	49635	13.06									
	121	September 29, 2011	49636	11.16									
	122	September 30, 2011	49637	13.47									
	123	September 30, 2011	49638	15.78									
	124	September 30, 2011	49639	13.30									
	125	September 30, 2011	49640	11.74									
	126	September 30, 2011	49641	12.15									
			TOTAL TONS	**554.41**	**53.46**	**0.00**	**97.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
4th Quarter 2011	127	October 3, 2011	49642	9.69									
	128	October 3, 2011	49643	12.53									
	129	October 3, 2011	49644	13.46									
	130	October 3, 2011	49645	14.43									
	131	October 3, 2011	49646	15.09								---	
	132	October 3, 2011	HDMU 639381-7	---			19.43					---	
	133	October 4, 2011	49647	12.18									
	134	October 4, 2011	49648	8.56									
	135	October 4, 2011	49649	6.65								---	
	136	October 4, 2011	49650	5.2								---	
	137	October 4, 2011	49651	14.58									
	138	October 4, 2011	49652	13.72									
	139	October 4, 2011	49653	12.5									
	140	October 4, 2011	49654	7.94									
	141	October 5, 2011	49655	11.57									
	142	October 5, 2011	49656	14.05									
	143	October 5, 2011	49657	8.75									
	144	October 5, 2011	49658	8.9									
	145	October 5, 2011	49659	9.8									
	146	October 5, 2011	49660	15.11									
	147	October 5, 2011	49661	16.06									
	148	October 7, 2011	49662	13.55									
	149	October 7, 2011	49663	14.49									
	150	October 7, 2011	49664	16.71									
	151	October 7, 2011	49665	11.52									
	152	October 7, 2011	49666	8.6									
	153	October 10, 2011	49667	14.3									
	154	October 10, 2011	49668	9.96									
	155	October 10, 2011	49669	11.85									
	156	October 10, 2011	49670	13.73									
	157	October 10, 2011	49671	14.28								---	
	158	October 10, 2011	HDMU 656609-1	---			19.54						
	159	October 11, 2011	49672	15.95									
	160	October 11, 2011	49673	15.77									
	161	October 11, 2011	49674	13.37									

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	162	October 11, 2011	49675	13.04									
	163	October 11, 2011	49676	14.32									
	164	October 11, 2011	49677	14.02									
	165	October 11, 2011	49678	16.81									
	166	October 11, 2011	49679	11.35									
	167	October 12, 2011	49680	17									
	168	October 12, 2011	49681	14.88									
	169	October 12, 2011	49682	9.25								---	
	170	October 12, 2011	49683	15.53								---	
	171	October 12, 2011	49684	6.48								---	
	172	October 12, 2011	49685	14.9									
	173	October 12, 2011	49686	10.07									
	174	October 12, 2011	49688	11.98									
	175	October 12, 2011	49689	8.11									
	176	October 13, 2011	49690	13.04									
	177	October 13, 2011	49691	6.36									
	178	October 13, 2011	49692	10.13									
	179	October 13, 2011	49693	13.4									
	180	October 13, 2011	49694	13.3									
	181	October 14, 2011	49695	9.13									
	182	October 14, 2011	49696	8.52									
	183	October 14, 2011	49697	11.11									
4th	184	October 14, 2011	49698	8.21									
Quarter	185	October 14, 2011	49699	11.92									
2011	186	October 17, 2011	49700	10.7									
	187	October 17, 2011	49701	10.81									
	188	October 17, 2011	49702	10.2									
	189	October 17, 2011	49704	9.43									
	190	October 17, 2011	49705	10.93									
	191	October 18, 2011	49706	8.19									
	192	October 18, 2011	49707	9.39									
	193	October 18, 2011	49708	8.89									
	194	October 18, 2011	49709	11.82									
	195	October 18, 2011	49710	12.26									
	196	October 19, 2011	49711	9.05									
	197	October 19, 2011	49712	12.7									
	198	October 19, 2011	49713	10.04									
	199	October 19, 2011	49714	14.26									
	200	October 19, 2011	49715	15.36									
	201	October 19, 2011	49716	14.67									
	202	October 19, 2011	49717	11.07									
	203	October 20, 2011	49718	10.68									
	204	October 20, 2011	49719	15.68									
	205	October 20, 2011	49720	10.85									
	206	October 20, 2011	49721	12.55									
	207	October 20, 2011	49722	7.61									
	208	October 20, 2011	49723	16.19									
	209	October 20, 2011	49724	13.65									
	210	October 20, 2011	49725	12.48									
	211	October 24, 2011	49687	----									2.23
	212	October 25, 2011	49726	4.16									
	213	October 25, 2011	49727	10.38									
	214	October 25, 2011	49728	11.11									
	215	October 25, 2011	49729	8.3661									
	216	October 26, 2011	49730	16.21									
	217	October 26, 2011	49731	16.66									
	218	October 26, 2011	49732	10.02									
	219	October 26, 2011	49733	16.05									
	220	October 26, 2011	49734	10.42									
	221	October 26, 2011	49735	7.93									
	222	October 26, 2011	49736	14.63									
	223	October 26, 2011	49737	10.67									
	224	October 28, 2011	49738	----				7.61					
	225	October 31, 2011	49739	9.36									
	226	October 31, 2011	49740	12.04									
	227	October 31, 2011	49742	14.43									

TABLE 4
Summary Of Historical Scrap Metal Shipments
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	228	October 31, 2011	49743	9 61								
	229	October 31, 2011	49741	—								1 06
	230	November 1, 2011	49744	9.16								
	231	November 1, 2011	49745	15.09								
	232	November 1, 2011	49746	10.19								
	233	November 1, 2011	49747	13.01								
	234	November 1, 2011	49748	9.16								
	235	November 1, 2011	49749	13.65								
	236	November 1, 2011	49750	9.41								
	237	November 1, 2011	49751	15.23								
	238	November 1, 2011	49752	7.6								
	239	November 2, 2011	49753	17.19								
	240	November 2, 2011	49754	8.52								
	241	November 2, 2011	49755	16.17								
	242	November 2, 2011	49756	13.72								
	243	November 2, 2011	49758	11.92								
	244	November 2, 2011	49759	9.09								
4th	245	November 2, 2011	49760	10.66								
Quarter	246	November 2, 2011	49757	13.82								
2011	247	November 4, 2011	49761	12 2								
	248	November 4, 2011	49762	10.98								
	249	November 4, 2011	49763	10.59								
	250	November 4, 2011	49764	10.68								
	251	November 4, 2011	49765	8.56								
	252	November 4, 2011	49766	10.75								
	253	November 4, 2011	49767	8.75								
	254	November 4, 2011	49768	11								
	255	November 7, 2011	49769	8 02								
	256	November 7, 2011	49770	12.43								
	257	November 7, 2011	49771	11.19								
	258	November 7, 2011	49772	10.58								
	259	November 10, 2011	49773	12.37								
	260	November 10, 2011	49774	14.81								
	261	November 10, 2011	49775	7.4								
	262	November 10, 2011	49776	12.7								
	263	November 10, 2011	49777	10.08								
	264	November 11, 2011	49778	13.39								
	265	November 14, 2011	49779	12.09								
	266	November 14, 2011	49780	11.83								
	267	November 14, 2011	49781	10.97								
	268	November 14, 2011	49782	14.55								
	269	November 15, 2011	49783	10.46								
	270	November 15, 2011	49784	9.35								
	271	November 15, 2011	49785	12.26								
	272	November 15, 2011	49786	10.88								
	273	November 15, 2011	49787	9.53								
	274	November 16, 2011	49788	10.66								
	275	November 17, 2011	49789	9.53								
	276	November 17, 2011	49790	14 18								
	277	November 17, 2011	49791	9.67								
	278	November 21, 2011	TCNU 731820-0	—			19.55					
	279	November 29, 2011	49792	10.11								
	280	November 29, 2011	49793	8.93								
	281	November 29, 2011	49794	9.63								
	282	November 29, 2011	49795	4.64								
	283	December 5, 2011	49796	11.78								
	284	December 5, 2011	49797	9.81								
	285	December 5, 2011	49798	8.19								
	286	December 5, 2011	49799	8.94								
	287	December 5, 2011	49800	8.78								
	288	December 6, 2011	49801	9.42								
	289	December 6, 2011	49802	12.82								
	290	December 6, 2011	49803	9.13								
	291	December 6, 2011	49804	8.19								
	292	December 6, 2011	49805	10.24								

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

4th Quarter 2011	293	December 8, 2011	49807	6.86									
	294	December 8, 2011	49808	6.01									
	295	December 8, 2011	49809	9.34									
	296	December 8, 2011	49811	8.73									
	297	December 8, 2011	49810	7.95									
	298	December 9, 2011	49812	7.68									
	299	December 9, 2011	49813	7.13									
	300	December 9, 2011	49814	4.79									
	301	December 9, 2011	49815	9.32									
	302	December 9, 2011	49816	8.18									
	303	December 12, 2011	49817	9.8									
	304	December 12, 2011	49818	10.96									
	305	December 12, 2011	49819	12.28									
	306	December 12, 2011	49820	8.85									
	307	December 13, 2011	49821	7.28									
	308	December 13, 2011	49822	9.94									
	309	December 13, 2011	49823	9.78									
	310	December 13, 2011	49824	9.16									
	311	December 13, 2011	49825	9.36									
	312	December 13, 2011	49826	8.38									
	313	December 14, 2011	49827	9.83									
	314	December 14, 2011	49828	11.69									
	315	December 14, 2011	49829	13.07									
	316	December 14, 2011	49830	11.8									
	317	December 15, 2011	49831	8.85									
	318	December 15, 2011	TCNU 865707-0	—			19.54						
	319	December 15, 2011	HDMU 631996-0	—			19.54						
	320	December 23, 2011	49806	----				10.30					
			TOTAL TONS	**2,062.88**	**0.00**	**0.00**	**97.59**	**17.91**	**0.00**	**0.00**	**0.00**	**0.00**	**3.29**

No Further shipments of scrap metal associated with demolition activities

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
1st Quarter 2012	***No Shipments were made during the 1st Quarter 2012***								
			TOTAL TONS			**0.00**	**0.00**	**0.00**	**0.00**

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
2nd Quarter 2012	321	April 19, 2012	49832	7.44			
	322	May 2, 2012	49833	10.99			
	323	May 15, 2012	49834	13.66			
	324	May 17, 2012	49835	8.91			
	325	May 29, 2012	49836	10.00			
	326	June 4, 2012	49837	16.47			
	327	June 19, 2012	49838	12.24			
			TOTAL TONS	**79.71**	**0.00**	**0.00**	**0.00**

TABLE 4
Summary Of Historical Scrap Metal Shipments
4th Quarter 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light Internation al (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
3rd Quarter 2012	**No Shipments were made during the 3rd Quarter 2012**								
			TOTAL TONS			**0.00**	**0.00**	**0.00**	**0.00**

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light Internation al (2)	Alton Materials (2)	Tons of Aluminum, Stainless Steel, Copper, Spills, Dros Metal Sold to Wallach Trading Company (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
4th Quarter 2012	327	October 4, 2012	49841	12.7					
	328	October 11, 2012	49842				9.00		
	329	December 11, 2012	49843	14.52					
	330	December 20, 2012	49846	7.01					
	331	December 14, 2012	49844				5.66		
	332	December 14, 2012	49845				6.26		
		TOTAL TONS		**34.23**		**0.00**	**20.92**	**0.00**	**0.00**

Note:
(1) Short Ton = 2000 lb
(2) Gross Ton = 2240 lb
(3) = Material sold under the Scrap Metal Work Plan
A= Aboveground Steel-Sand Storage Tank
B=Pot Slag Ladles (total of 3 ladles)
C= Crane equipment parts, electric motors, electric cabinets, resistor breakes, Crane Block parts
D= Two steel clarifier tanks
(A, B, C, D) Steel Material sold as bulk and not as tonnage cost
NA = Not Applicable

APPENDIX C Hazardous and Non-hazardous Waste Disposals

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ILD048843809

2. Page 1 of 1

3. Emergency Response Phone: (636)346-0413

4. Manifest Tracking Number: 000459012WAS

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 W MORRIS ST
INDIANAPOLIS, IN 46231-3301
Facility's Phone: (317)243-0811

U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. RQ NA3077, Hazardous Waste, solid NOS, 9, PG III (Cadmium, lead), (D006, D008)	1	CM	18,240	~~lbs~~ P	D006	D008
	2. Erg #171 (Misc Debris, PPE, wood, plastic, supersacks, scrubber shell, metal, insulation)						
	3.						
	4.						

14. Special Handling Instructions and Additional Information
40 CY
BIN # 40118
(DIS - FINES)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month 7 Day 20 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TERRY Wilson — Signature: [signature] — Month 7 Day 20 Year 12
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Adam Will — Signature: [signature] — Month 8 Day 9 Year 12

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048843809	1	(636)346-0413	00045901SWAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
GEN: 119574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 W MORRIS ST
INDIANAPOLIS, IN 46231-3301
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	31480	lb	D006	D008	
	2. MISC debris, PPE, cardboard, plastic, metal, concrete rubble							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Box # 40171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month 11 Day 16 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Adams — Signature — Month 11 Day 16 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H111			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month 12 Day 26 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	ILD048843809	1	(636)346-0413	003551341 FLE

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC. / JORGE GARCIA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address)
CHEMETCO, INC. / JORGE GARCIA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
GEN: 118574

6. Transporter 1 Company Name: HERITAGE TRANSPORT,LLC-TG WOODRIVER
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE-WTI, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (330)386-2154
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. ~~RQ,~~ UN1950,WASTE AEROSOLS, FLAMMABLE, N.O.S.,2.1,~~(D013-D014)~~,ERG#126 (1x55 DM)	1	DM	81	P	D001 ~~D005 D007 D008 D035 D039 D040~~
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.711_WB_0776410_LOP   only D001 applies to section 13.
I20290143

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T107274

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Jorge Garcia	Jorge Garcia	12	7	12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	Jacob Springman	Jacob Springman	12	07	12
Transporter 2					

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
JOE BURKE	Joe Burke	12	26	12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

TABLE 5
Summary of Hazardous Waste Disposal Shipments
4th Qtr 2012 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	Tons or Gals, (est)	Disposal Facility	Manifest #
4th Qtr 2012	1	Misc. debris, ppe, cardboard, plastic, metal, concrete rubble	40 Yard Bin, RCRA	40118	7/20/2012	Mid-West Services	18,240	9.12	Heritage Environmental, Indianapolis, IN.	000459012WAS
	2	Misc. debris, sludge, ppe, cardboard, plastic, metal, concrete rubble	40 Yard Bin, RCRA	40171	11/6/2012	Mid-West Services	31,480	15.74	Heritage Environmental, Indianapolis, IN.	000459015WAS
	3	Waste Aerosol cans	55 gal drum	NA	12/7/2012	Heritage Transport Inc	81		Heritage Environmental, Indianapolis, IN.	003551341FLE

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2010	No Shipments were made during the 3rd Qtr 2010									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2010	1	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4029	11/10/2010	Mid-West Services and Heritage Environmental	16,707	8.35	Heritage Environmental, Indianapolis, IN.	000362943WAS
	2	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4097	11/17/2010	Mid-West Services and Heritage Environmental	38,727	19.36	Heritage Environmental, Indianapolis, IN.	000362944WAS
	3	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40006	12/7/2010	Mid-West Services and Heritage Environmental	12,187	6.09	Heritage Environmental, Indianapolis, IN.	000362945WAS
	4	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40130	12/7/2010	Mid-West Services and Heritage Environmental	20,067	10.03	Heritage Environmental, Indianapolis, IN.	000362946WAS
	5	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4025	12/9/2010	Mid-West Services and Heritage Environmental	17,987	8.99	Heritage Environmental, Indianapolis, IN.	000362947WAS
	6	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4090	12/9/2010	Mid-West Services and Heritage Environmental	13,487	6.74	Heritage Environmental, Indianapolis, IN.	000362948WAS
	7	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4039	12/13/2010	Mid-West Services and Heritage Environmental	15,607	7.80	Heritage Environmental, Indianapolis, IN.	000362949WAS
	8	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40104	12/13/2010	Mid-West Services and Heritage Environmental	10,107	5.05	Heritage Environmental, Indianapolis, IN.	000362950WAS
	9	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40124	12/15/2010	Mid-West Services and Heritage Environmental	26,667	13.33	Heritage Environmental, Indianapolis, IN.	000362955WAS
	10	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40120	12/15/2010	Mid-West Services and Heritage Environmental	23,227	11.61	Heritage Environmental, Indianapolis, IN.	000362958WAS
						TOTAL	194,770	97.39		

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20381	1027/2010	Mid-West Services and Heritage Environmental	35,720	17.86	Heritage Environmental, Indianapolis, IN.	000362951WAS
4th	2	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20213	12/14/2010	Mid-West Services and Heritage Environmental	37,940	18.97	Heritage Environmental, Indianapolis, IN.	000362952WAS
Quarter	3	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20559	12/14/2010	Mid-West Services and Heritage Environmental	40,420	20.21	Heritage Environmental, Indianapolis, IN.	000362954WAS
2010	4	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20484	12/14/2010	Mid-West Services and Heritage Environmental	35,980	17.99	Heritage Environmental, Indianapolis, IN.	000362953WAS
	5	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20458	12/15/2010	Mid-West Services and Heritage Environmental	34,880	17.44	Heritage Environmental, Indianapolis, IN.	000362956WAS
	6	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20384	12/15/2010	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000362957WAS
						TOTAL	212,920	106.46		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Decon Water, sludge from Cupro Decon activities	55 Gal Drum	NA	10/27/2010	Tri State Motor on EMA's behalf	220	0.110	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957277FLE
4th	2	Misc debris, decon pad, from Cupro Shipments	55 Gal Drum	NA	10/27/2010	Tri State Motor on EMA's behalf	75	0.038	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957276FLE
Quarter	3	Decon Water, sludge from Pot Slag Decon activities	55 Gal Drum	NA	12/15/2010	Tri State Motor on EMA's behalf	220	0.110	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957332FLE
2010	4	Misc debris, decon pad, from Pot Slag Shipments	55 Gal Drum	NA	12/15/2010	Tri State Motor on EMA's behalf	80	0.040	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957331FLE
						Total Liquid	440	0.220		
						Total Solids	155	0.078		

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	No. Containers	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
1Qtr 2011	1	Misc corrosive acids, flammable liquids, petroleum distillates	17	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	2,605	1.3025	Heritage Environmental, Liverpool, OH	000350627WAS
	2	Misc corrosive acids, flammable liquids, petroleum distillates	15	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	3,826	1.913	Heritage Environmental, Indianapolis, IN.	000350631WAS
	3	Blasting Sand used for deconning stainless steel	3	Super Sacks	NA	3/16/2011	Tri State Motor on EMA's behalf	4,500	2.250	EQ Michigan Disposal Waste Treatment Belleville, MI	0044214831FLE
							Total Tons	---	**5.4655**		
							Total Pounds	**10,931**	---		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2011	**No Shipments were made during the 2nd Qtr 2011**									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2011	1	Misc debris, decon pad, from Copper Furnace Solid Shipments	55 Gal Drum	NA	8/11/2011	Tri State Motor on EMA's behalf	380	0.190	EQ Michigan Disposal Waste Treatment Belleville, MI	004761793FLE
						Total	**380**	**0.190**		

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin Number	Date Picked Up	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2011	1	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4097	10/25/11	Mid-West Services and Heritage Environmental	18,360	9.18	Heritage Environmental, Indianapolis, IN.	000440784WAS
	2	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4088	11/9/11	Mid-West Services and Heritage Environmental	34,940	17.47	Heritage Environmental, Indianapolis, IN.	000440785WAS
	3	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40170	11/10/11	Mid-West Services and Heritage Environmental	33,140	16.57	Heritage Environmental, Indianapolis, IN	000440786WAS
	4	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4029	11/11/11	Mid-West Services and Heritage Environmental	33,100	16.55	Heritage Environmental, Indianapolis, IN.	000440787WAS
	5	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40130	11/14/11	Mid-West Services and Heritage Environmental	33,980	16.99	Heritage Environmental, Indianapolis, IN.	000440788WAS
	6	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40101	11/15/11	Mid-West Services and Heritage Environmental	32,516	16.26	Heritage Environmental, Indianapolis, IN.	000440789WAS
	7	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	2066	11/16/11	Mid-West Services and Heritage Environmental	32,380	16.19	Heritage Environmental, Indianapolis, IN.	000440790WAS
	8	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	20300	11/17/11	Mid-West Services and Heritage Environmental	32,480	16.24	Heritage Environmental, Indianapolis, IN.	000440791WAS
	9	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40124	11/17/11	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000440792WAS
	10	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4042	11/17/11	Mid-West Services and Heritage Environmental	25,100	12.55	Heritage Environmental, Indianapolis, IN.	000440793WAS
	11	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40109	12/12/11	Mid-West Services and Heritage Environmental	32,360	16.18	Heritage Environmental, Indianapolis, IN.	000440794WAS
	12	Miscellaneous Debris, supersacks, wood pallets, PPE	40 Yard Bin, RCRA	40172	11/11/11	Mid-West Services and Heritage Environmental	13,860	6.93	Heritage Environmental, Indianapolis, IN	000372829WAS
						Total Tons	---	**175.10**		
						Total Pounds	**350,196**	---		

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin Number	Date Picked Up	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
1st Qtr 2012	1	Miscellaneous Demolition Debris, Metal, Wood	40 Yard Bin, RCRA	40006	1/13/2012	Mid-West Services and Heritage Environmental	26,760	13.38	Heritage Environmental, Indianapolis, IN.	000461802WAS
	2	Miscellaneous Demolition Debris, Bag filters, PPE, Sludge, Metal	40 Yard Bin, RCRA	4025	1/13/2012	Mid-West Services and Heritage Environmental	19,780	9.89	Heritage Environmental, Indianapolis, IN.	000461803WAS
	3	Miscellaneous Demolition Debris, Sludge, PPE, Cardboard, Wood, Metal	40 Yard Bin, RCRA	40118	1/27/2012	Mid-West Services and Heritage Environmental	27,580	13.79	Heritage Environmental, Indianapolis, IN.	000461806WAS
	4	Miscellaneous Demolition Debris, Sludge, PPE, Cardboard, Wood	40 Yard Bin, RCRA	4039	1/27/2012	Mid-West Services and Heritage Environmental	32,620	16.31	Heritage Environmental, Indianapolis, IN.	000461804WAS
	5	Miscellaneous Demolition Debris, Sludge, PPE, Wood, Metal	40 Yard Bin, RCRA	40108	1/30/2012	Mid-West Services and Heritage Environmental	33,240	16.62	Heritage Environmental, Indianapolis, IN.	000461807WAS
	6	Miscellaneous Demolition Debris, Sludge, PPE, Cardboard, Wood, Metal	40 Yard Bin, RCRA	4074	1/30/2012	Mid-West Services and Heritage Environmental	37,500	18.75	Heritage Environmental, Indianapolis, IN.	000461808WAS
	7	Miscellaneous Demolition Debris, filter bags, cardboard	40 Yard Bin, RCRA	40137	1/30/2012	Mid-West Services and Heritage Environmental	26,460	13.23	Heritage Environmental, Indianapolis, IN.	000461809WAS
	8	Miscellaneous Demolition Debris, Concrete, Metal, Plastic	20 Yard Bin, RCRA	20463	1/30/2012	Mid-West Services and Heritage Environmental	34,440	17.22	Heritage Environmental, Indianapolis, IN.	000461810WAS
	9	Miscellaneous Construction/Demolition Debris, PPE, filter bags,	40 Yard Bin, RCRA	40173	2/10/2012	Mid-West Services and Heritage Environmental	47,780	23.89	Heritage Environmental, Indianapolis, IN.	000461811WAS (1)
	9	Miscellaneous Demolition Debris, Sludge, PPE, Cardboard, Wood, Metal	40 Yard Bin, RCRA	40173	2/20/2012	Mid-West Services and Heritage Environmental	32,560	16.28	Heritage Environmental, Indianapolis, IN.	000461812WAS
	10	Miscellaneous Demolition Debris, Caustic, Sludge, Metal	20 Yard Bin, RCRA	20854	2/22/2012	Mid-West Services and Heritage Environmental	30,720	15.36	Heritage Environmental, Indianapolis, IN.	000461813WAS
	11	Miscellaneous Demolition Debris, Sludge, PPE, Cardboard, Wood, Metal	40 Yard Bin, RCRA	40124	2/22/2012	Mid-West Services and Heritage Environmental	29,800	14.90	Heritage Environmental, Indianapolis, IN.	000461814WAS
	12	Miscellaneous Demolition Debris, PPE,	40 Yard Bin, RCRA	4042	2/27/2012	Mid-West Services and Heritage Environmental	34,680	17.34	Heritage Environmental, Indianapolis, IN	000461821WAS
	13	Miscellaneous Demolition Debris, PPE, Sludge, Metal, Plastic	40 Yard Bin, RCRA	40130	2/27/2012	Mid-West Services and Heritage Environmental	34,680	17.34	Heritage Environmental, Indianapolis, IN.	000461815WAS
	14	Miscellaneous Demolition Debris, Bag filters, PPE, Sludge, Metal, Plastic	40 Yard Bin, RCRA	4088	2/28/2012	Mid-West Services and Heritage Environmental	32,260	16.13	Heritage Environmental, Indianapolis, IN.	000461820WAS
	15	Miscellaneous Demolition Debris, Bag filters, Sludge, Metal, PPE	40 Yard Bin, RCRA	40172	2/29/2012	Mid-West Services and Heritage Environmental	24,540	12.27	Heritage Environmental, Indianapolis, IN.	000461816WAS

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

1st Qtr 2012	16	Miscellaneous Demolition Debris, Bag filters, Sludge, Metal, PPE	40 Yard Bin, RCRA	40170	3/1/2012	Mid-West Services and Heritage Environmental	29,780	14.89	Heritage Environmental, Indianapolis, IN.	000461819WAS
	17	Miscellaneous Demolition Debris, Bag filters, PPE, Sludge, Metal, Plastic	40 Yard Bin, RCRA	40101	3/1/2012	Mid-West Services and Heritage Environmental	33,520	16 76	Heritage Environmental, Indianapolis, IN.	000461817WAS
	18	Miscellaneous Demolition Debris, Bag filters, Sludge, Metal, Plastic	40 Yard Bin, RCRA	4025	3/2/2012	Mid-West Services and Heritage Environmental	21,060	10 53	Heritage Environmental, Indianapolis, IN.	003552011FLE
	19	Miscellaneous Demolition Debris, Bag filters, Sludge, Metal, PPE	40 Yard Bin, RCRA	40171	3/1/2012	Mid-West Services and Heritage Environmental	30,140	15.07	Heritage Environmental, Indianapolis, IN	000461818WAS
					TOTAL	Tons Pounds	619,800	309.95		

Note: (1) Container was brought back due to excess weight.
The container was disposed after removal of excess weight under new Manifest

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2012	1	Miscellaneous Demolition Debris, Bag filters, Sludge, Metal, PPE	40 Yard Bin, RCRA	40173	5/31/2012	Mid-West Services and Heritage Environmental	30,100	15.05	Heritage Environmental, Indianapolis, IN.	000459016WAS

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	Tons of Gals, (est)	Disposal Facility	Manifest #
	1	Misc. Unused feedstock, fines material, empty crushed drums	20 Yard Bin, RCRA	20528	7/11/2012	Mid-West Services and EQ	21,920	10.96	EQ Detroit Detroit, Michigan	000459014WAS
3rd	2	Misc. Unused feedstock, fines material, empty crushed drums	20 Yard Bin, RCRA	20886	7/11/2012	Mid-West Services and EQ	26,580	13.29	EQ Detroit Detroit, Michigan	000459013WAS
Quarter	3	Contaminated water and some sludge with NaOH	Vacuum Truck	NA	8/15/2012	Illini Environmental	39,160	4675 gals	Enirite of Illinois Harvey, IL	010079793JJK
2012	4	Contaminated water and some sludge with NaOH	Vacuum Truck	NA	8/16/2012	Illini Environmental	22,460	2700 gals	Enirite of Illinois Harvey, IL	010079796JJK
	5	Contaminated water and some sludge with NaOH	Vacuum Truck	NA	8/20/2012	Illini Environmental	21,100	2050 gals	Enirite of Illinois Harvey, IL	010079793JJK
	6	Contaminated soil	3-supesacks	NA	9/20/2012	EQ Industries	2,465	1.23	EQ Detroit Detroit, Michigan	009028029JJK

TABLE 6
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	Tons or Gals, (est)	Disposal Facility	Manifest #
4th Qtr 2012	1	Misc. debris, ppe, cardboard, plastic, metal, concrete rubble	40 Yard Bin, RCRA	40118	7/20/2012	Mid-West Services	18,240	9.12	Heritage Environmental, Indianapolis, IN.	000459012WAS
	2	Misc. debris, sludge, ppe, cardboard, plastic, metal, concrete rubble	40 Yard Bin, RCRA	40171	11/6/2012	Mid-West Services	31,480	15.74	Heritage Environmental, Indianapolis, IN.	000459015WAS
	3	Waste Aerosol cans	55 gal drum	NA	12/7/2012	Heritage Transport Inc	81		Heritage Environmental, Indianapolis, IN.	003551341FLE

TABLE 7

Summary of Non-Hazardous Solids. Liquids, and Special Waste Disposal Shipments

4th Qtr 2012 Progress Report

Estate of Chemetco

Hartford,Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2012	No Shipments were made during the 4th Qtr 2012									

TABLE 8
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Description of Material	Container	Bill of Lading Number	Bin Number	Weight in Tons	Hauler	Disposal Site
	1	8/26/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	4.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	2	8/30/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.62	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	3	8/31/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.4	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	4	9/1/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	7.55	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	5	9/10/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.86	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
					Total Tons		28.76		

	Number of Shipments	Date of Shipment	Description of Material	Container	Bill of Lading Number	Weight in Lbs	Weight in Tons	Hauler	Disposal Site
	1	9/16/2010	Concrete Debris	Trailer	95454	22,180	11.09	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	2	9/16/2010	Concrete Debris	Trailer	95462	36,960	18.48	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	3	9/16/2010	Concrete Debris	Trailer	95485	36,940	18.47	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
3rd	4	9/16/2010	Concrete Debris	Trailer	95501	35,780	17.89	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
Quarter	5	9/16/2010	Concrete Debris	Trailer	95517	29,329	14.66	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
2010	6	9/16/2010	Concrete Debris	Trailer	95539	50,320	25.16	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	7	9/16/2010	Concrete Debris	Trailer	95545	45,160	22.58	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	8	9/16/2010	Concrete Debris	Trailer	95591	44,200	22.1	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	9	9/16/2010	Concrete Debris	Trailer	95603	39,700	19.85	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	10	9/16/2010	Concrete Debris	Trailer	95623	42,660	21.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	11	9/16/2010	Concrete Debris	Trailer	95650	47,700	23.85	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	12	9/17/2010	Concrete Debris	20 CY Bin	95726	23,760	11.88	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois

TABLE 8
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

3rd Quarter 2010	13	9/17/2010	Concrete Debris	Trailer	95734	49,000	24.5	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	14	9/17/2010	Concrete Debris	Trailer	95757	42,060	21.03	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	15	9/17/2010	Concrete Debris	Trailer	95795	47,200	23.6	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	16	9/17/2010	Concrete Debris	Trailer	95824	38,200	19.1	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	17	9/17/2010	Concrete Debris	Trailer	95873	38,660	19.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	18	9/17/2010	Concrete Debris	Trailer	95929	44,700	22.35	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	19	9/17/2010	Concrete Debris	20 CY Bin	95916	14,960	7.48	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	20	9/17/2010	Concrete Debris	20 CY Bin	95874	24,300	12.15	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	21	9/17/2010	Concrete Debris	20 CY Bin	96078	15,240	7.62	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
					Total Pounds	**769,009**	---		
					Total Tons	---	**384.50**		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2010	**No Shipments were made during the 4th Quarter 2010**									

TABLE 8
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	Bill of Lading Number	picked up date	Volume or Weight	Lbs or Gal	tons	Waste Hauler	Disposal Facility	Manifest #
1st Quarter 2011	1	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	1/13/2011	NA		NA	Midwest Sanitary Services	Roxana Landfill, IL	NA
	2	Unused Oil	Vacuum Truck	NA	NA	1/14/2011	2,315	gal	NA	RS Used Oil Services	RS Used Oil Services, IL	008153818JJK
	3	Oily Water	Vacuum Truck	NA	NA	1/17/2011	1,105	gal	NA	RS Used Oil Services	RS Used Oil Services, IL	006611023JJK
	4	Crushed Drums	40 CY Bin	40108	47173	1/17/2011	4,060	lb	2.03	Midwest Sanitary Services	Roxana Landfill, IL	NA
	5	Grease and crushed drums	20 CY Bin	20841	NA	1/24/2011	10,380	lb	5.19	Midwest Sanitary Services	Milam Landfill, IL	00350687WAS
					Total Pounds		**14,440**					
					Total Tons	---			**7.22**			

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2011	**No Shipments were made during the 2nd Quarter 2011**									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2011	**No Shipments were made during the 3rd Quarter 2011**									

TABLE 8
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	Bill of Lading Number	picked up date	Lbs or Gal	tons	Waste Hauler	Disposal Facility	Manifest #
4th Quarter 2011	1	Non-Haz Trash Debris	40 CY	4013	NA	11/2/2011	12,500	6.25	MidWest	Roxana Landfill	NA
	2	Non-Haz Trash Debris	40 CY	4013	NA	11/18/2011	7,640	3.82	MidWest	Roxana Landfill	NA
	3	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	10,560	5.28	MidWest	Roxana Landfill	NA
	4	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	15,180	7.59	MidWest	Roxana Landfill	NA
	5	Non-Haz Trash Debris	40 CY	4013	NA	12/15/2011	1,740	0.87	MidWest	Roxana Landfill	NA
	6	Universal Waste	fiber drums	NA	NA	11/11/2011	242	0.121	Heritage	Waste Management, Kaiser, Mo	003552160FLE
						Total Pounds	**47,862**				
						Total Tons		**23.931**			

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	Gals	Disposal Facility	MSD Waste Receipt	Manifest #
1st Quarter 2012	1	Decon Wastewater	Vacuum Truck	NA	2/27/2012	Illini Environmental	5,000	Metropolitan Sewer District (MSD)	S-078388	009661182JJK
	2	Decon Wastewater	Vacuum Truck	NA	2/27/2012	Illini Environmental	5,000	Metropolitan Sewer District (MSD)	S-078389	009661181JJK
	3	Decon Wastewater	Vacuum Truck	NA	2/27/2012	Illini Environmental	5,000	Metropolitan Sewer District (MSD)	S-078390	009661187JJK
	2	Decon Wastewater	Vacuum Truck	NA	2/28/2012	Illini Environmental	5,000	Metropolitan Sewer District (MSD)	S-078387	009661183JJK
	4	Decon Wastewater	Vacuum Truck	NA	2/28/2012	Illini Environmental	2,500	Metropolitan Sewer District (MSD)	S-084054	009661184JJK
	5	Decon Wastewater	Vacuum Truck	NA	3/1/2012	Illini Environmental	3,150	Metropolitan Sewer District (MSD)	S-084055	007328964JJK
						~ Total Gallons	**20,650**			

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2012	**No Shipments were made during the 2nd Qtr 2012**									

TABLE 8
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Lbs or Gal	tons	Waste Hauler	Disposal Facility	Manifest #
3rd Quarter 2012	1	Sludge and oily water	5- 55-gal drums	NA	9/20/2012	275	0.13	EQ Industrial Services	EQ Detroit Detroit, Michigan	009028029JJK
	2	Misc Cinder Block debris	20 CY	20106	9/25/2012	28,020	14.01	MidWest	Roxana Landfill	NA
	3	Universal Waste, Batteries,	1- fiber drum	NA	9/27/2012	19		Heritage Transport Inc	Heritage Environmental, Indianapolis, IN.	000473501WAS
	4	Universal Waste, flourecent lights	1- fiber drum	NA	9/27/2012	24		Heritage Transport Inc	WM Lamptracker Williamson, SC	000473500WAS

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2012	**No Shipments were made during the 4th Qtr 2012**									

APPENDIX D NPDES eDMR forms and Analytical Results

TABLE 9
Summary of NPDES Stormawater Data
4th Quarter 2012 Progress Report
Estate of Chemetco
Hartford, Illinois

NPDES IL0025474, OUTFALL: #005 DATA TRACKING-30 Day Average
(EXCEEDANCES OF STDS SHOWN IN SHADED CELLS AND BOLD FONT)

		NPDES #005 OUTFALL DISCHARGE SAMPLE ANALYSIS															
Parameter	Units	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	2012 YTD Average	35IAC304 Effluent Water Quality Stds (mg/l)	12 Month Running Avg	12 Mo Avg vs. Effluent Stds
BOD, 5-Day	mg/L	8.00	7.00	6.00	<5	<5	10.00	6.00	15.00	7.00	<5	5.00	5.00	7.00	**30**	7.00	23.3%
Oxygen Demand, Chemical	mg/L	**74.00**	**58.00**	**85.00**	**64.00**	<50	**73.00**	**51.00**	**76.00**	<50	**65.00**	**58.00**	<50	62.83	**50**	62.83	125.7%
pH		**9.16**	**9.17**	**9.16**	8.70	8.99	8.88	8.64	8.95	**9.08**	8.50	8.50	8.22	8.83	**9.0**	8.83	98.1%
Solids, Total Suspended	mg/L	**35.00**	**31.00**	**9.00**	**18.00**	**19.00**	**25.00**	**16.00**	12.00	**30.00**	10.00	**16.00**	**18.00**	19.92	**15**	19.92	132.8%
Arsenic, Total	mg/L	*<0.0250*	<0.0250	<0.0250	0.0365	0.0414	0.0424	0.0301	0.0278	<0.0250	<0.0250	<0.0250	<0.0250	0.0294	**0.25**	0.0294	11.8%
Barium, Total	mg/L	0.0984	0.0932	0.0784	0.0791	0.0767	0.2260	0.3230	0.1210	0.1660	0.1720	0.1520	0.1450	0.1442	**2.00**	0.1442	7.2%
Cadmium, Total	mg/L	0.0225	0.0179	0.0070	0.0118	<0.0020	0.0027	<0.0020	<0.0020	0.0046	0.0020	0.0024	0.0020	0.0066	**0.15**	0.0066	4.4%
Chromium, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	**1.00**	0.0100	nil
Copper, Total	mg/L	0.1600	0.1320	0.0575	0.2120	0.0342	0.0579	0.0288	0.0205	0.0840	0.0315	0.0430	0.0273	0.0741	**0.50**	0.0741	14.8%
Iron, Total	mg/L	0.5790	0.5990	0.1400	0.7150	0.0856	0.2890	0.1290	0.0732	0.1790	0.1280	0.2680	0.1680	0.2794	**2.00**	0.2794	14.0%
Lead, Total	mg/L	0.1660	0.1390	0.0630	**0.2100**	<0.0400	0.0656	<0.0400	<0.0400	0.0899	<0.0400	0.0622	<0.0400	0.0830	**0.20**	0.0830	41.5%
Manganese, Total	mg/L	0.1610	0.1910	0.0882	0.2080	0.0685	0.1440	0.0911	0.0784	0.0654	0.0981	0.1090	0.1160	0.1182	**1.00**	0.1182	11.8%
Nickel, Total	mg/L	0.0534	0.0597	0.0252	0.0577	0.0172	0.0299	0.0243	0.0251	0.0295	0.0310	0.0493	0.0469	0.0374	**1.00**	0.0374	3.7%
Selenium, Total	mg/L	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0500	**None**	0.0500	nil
Silver, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	**0.10**	0.0100	nil
Zinc, Total	mg/L	0.6640	0.4060	0.0982	0.3910	0.0480	0.1210	0.0538	0.0478	0.1710	0.0660	0.1230	0.1300	0.1933	**1.00**	0.1933	19.3%
Oil and Grease	mg/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<5	<6	<6	5.92	**15**	5.92	39.4%
Nitrogen, Ammonia, Total	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.140	<0.10	<0.10	<0.10	<0.10	0.270	0.12	**None**	0.12	nil
Avg Flow (MGD)	MGD		0.001698	0.001037	0.010944	0.000144	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.001354		0.001354	nil
Avg flow (GPM)	GPM	1.75	1.11	0.72	7.60	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.9400		0.9400	nil
															Note: pH 6-9		
			4200 ml/min		28800ml/min		no flow	no flow	no flow	no flow	no flow	no flow	no flow				
				2700 ml/min													

Note:
MGD = million gallons per day
GPM = Gallons per minute
Highlighted colored cells reflect 2012 results

PERMITTEE NAME / ADDRESS

NAME

ESTATE OF CHEMETCO-HARTFORD

ADDRESS

3574 CHEMETCO LANE

HARTFORD IL 62048

FACILITY

CHEMETCO-HARTFORD, ESTATE OF

LOCATION

3574 CHEMETCO LANE

HARTFORD IL 62048

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	**DISCHARGE NUMBER**	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	10 - 01 - 2012	TO	10 - 31 - 2012

Discharge Description

STORMWATER LAGOON

Discharge Type

EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	< 5	< 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	= 65	= 65		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 8.5	******	= 8.5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 10	= 10		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										

COMMENTS:												
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.172	= 0.172		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0020	= 0.0020		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0315	= 0.0315		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Iron, total (as Fe) 01045 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.128	= 0.128		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0400	< 0.0400		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0981	= 0.0981		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0310	= 0.0310		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0660	= 0.0660		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 5	< 5		0	01/30	GR

Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Nitrogen, ammonia, total (as NH3) 34726 1 0		SAMPLE MEASUREMENT	******	******		******	< 0.10	< 0.10		0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Flow, in conduit or thru treatment plant 50050 1 0		SAMPLE MEASUREMENT	= 0.000001	= 0.000001		******	******	******		0	99/99	
Effluent Gross		PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE		DESCRIPTION:										
COMMENTS:												

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum *imprisonment of between 6 months and 5 years.)*

Submitted By	Date
00012226 + CN=Jorge Y Garcia	12 - 19 - 2012

PERMITTEE NAME / ADDRESS

NAME

ESTATE OF CHEMETCO-HARTFORD

ADDRESS

3574 CHEMETCO LANE

HARTFORD IL 62048

FACILITY

CHEMETCO-HARTFORD, ESTATE OF

LOCATION

3574 CHEMETCO LANE

HARTFORD IL 62048

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	**DISCHARGE NUMBER**	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	11 - 01 - 2012	TO	11 - 30 - 2012

Discharge Description: STORMWATER LAGOON

Discharge Type: EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	= 5	= 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	= 58	= 58		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 8.5	******	= 8.5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 16	= 16		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									

COMMENTS:												
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.152	= 0.152		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0024	= 0.0024		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0430	= 0.0430		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Iron, total (as Fe) 01045 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.268	= 0.268		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0622	= 0.0622		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.109	= 0.109		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0493	= 0.0493		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.123	= 0.123		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 6	< 6		0	01/30	GR

Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Nitrogen, ammonia, total (as NH3) 34726 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.10	< 0.10		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Flow, in conduit or thru treatment plant 50050 1 0	SAMPLE MEASUREMENT	= 0.000001	= 0.000001		******	******	******		0	99/99	
Effluent Gross	PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE	DESCRIPTION:										
COMMENTS:											

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By	Date
00012226 + CN=Jorge Y Garcia	12 - 19 - 2012

PERMITTEE NAME / ADDRESS

NAME
ESTATE OF CHEMETCO-HARTFORD

ADDRESS
3574 CHEMETCO LANE
HARTFORD IL 62048

FACILITY
CHEMETCO-HARTFORD, ESTATE OF

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	**DISCHARGE NUMBER**	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	12 - 01 - 2012	TO	12 - 31 - 2012

Discharge Description: STORMWATER LAGOON

Discharge Type: EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	= 5	= 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	< 50	< 50		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 8.22	******	= 8.22		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 18	= 18		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									

COMMENTS:											
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.145	= 0.145		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0020	= 0.0020		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0273	= 0.0273		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Iron, total (as Fe) 01045,1 0	SAMPLE MEASUREMENT	******	******		******	= 0.168	= 0.168		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0400	< 0.0400		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.116	= 0.116		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0469	= 0.0469		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.130	= 0.130		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 6	< 6		0	01/30	GR

Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Nitrogen, ammonia, total (as NH3) 34726 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.27	= 0.27		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Flow, in conduit or thru treatment plant 50050 1 0	SAMPLE MEASUREMENT	= 0.000001	= 0.000001		******	******	******		0	99/99	
Effluent Gross	PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE		DESCRIPTION:										
COMMENTS:												

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By	Date
00012226 + CN=Jorge Y Garcia	01 - 31 - 2013

November 06, 2012

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618) 254-4381
FAX: (618)254-0138

RECEIVED 11-3-12

NELAP ACCREDITED LABORATORY

RE: NPDES #005 **WorkOrder:** 12101516

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 10/31/2012 11:00:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco
Work Order: 12101516
Client Project: NPDES #005
Report Date: 06-Nov-12

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Client: Chemetco
Client Project: NPDES #005

Work Order: 12101516
Report Date: 06-Nov-12

Cooler Receipt Temp: 6.0 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@tcklabinc.com	Email	kmcclain@tcklabinc.com	Email	dthompson@tcklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Client: Chemetco
Work Order: 12101516
Client Project: NPDES #005
Report Date: 06-Nov-12
Lab ID: 12101516-001
Client Sample ID: NPDES #005
Matrix: AQUEOUS
Collection Date: 10/30/2012 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	5		**< 5**	mg/L	1	11/01/2012 9:42	R170054
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**< 0.10**	mg/L	1	10/31/2012 15:56	R170000
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**65**	mg/L	1	11/01/2012 8:13	R170016
STANDARD METHOD 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.50**		1	10/31/2012 15:37	R169964
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	6		**10**	mg/L	1	10/31/2012 16:29	R169991
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5	S	**< 5**	mg/L	1	10/31/2012 21:23	82986
LCS did not recover within QC limits. LCS did not recover within the acceptable range at 83.83%, the acceptable range is 84.6-115.4%.								
EPA 600 4.1.4, 200.7R4:4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/01/2012 10:14	82988
Barium	NELAP	0.0050		**0.172**	mg/L	1	11/01/2012 10:14	82988
Cadmium	NELAP	0.0020		**0.0020**	mg/L	1	11/01/2012 10:14	82988
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	11/01/2012 10:14	82988
Copper	NELAP	0.0100		**0.0315**	mg/L	1	11/01/2012 10:14	82988
Iron	NELAP	0.0200		**0.128**	mg/L	1	11/01/2012 10:14	82988
Lead	NELAP	0.0400		**< 0.0400**	mg/L	1	11/01/2012 10:14	82988
Manganese	NELAP	0.0050		**0.0981**	mg/L	1	11/01/2012 10:14	82988
Nickel	NELAP	0.0100		**0.0310**	mg/L	1	11/01/2012 10:14	82988
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	11/01/2012 10:14	82988
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	11/01/2012 10:14	82988
Zinc	NELAP	0.0100		**0.0660**	mg/L	1	11/01/2012 10:14	82988

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco
Client Project: NPDES #005

Work Order: 12101516
Report Date: 06-Nov-12

Carrier: Josh Cerar

Received By: SRH

Completed by: Emily E. Pohlman
On: 31-Oct-12

Reviewed by: Marvin L. Darling
On: 31-Oct-12

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp ℃	***6.0***	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials	☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐		
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA	☑

Any No responses must be detailed below or on the COC.

Print Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 1210516

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco

3754 Chemetco Lane

Hartford | IL | 62048

Project: NPDES #005

Are the samples chilled? (•) Yes ( ) No with: ~~(X) Ice~~ ~~(X) Blue ice~~ EEP 10/31/12

Preserved in ( ) Lab (•) ~~Field~~ EEP 10/31/12

Cooler Temp 6.0 Sampler Jorge Garcia

Comments: eMail: jgarcia@chemetcoestate.com

Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia eMail see comments Phone (618) 254-4381 Requested Due Date NTAT Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
1210516-001	NPDES #005	10-31-12 13:25	Other	Aqueous	X	X	X	X	X	X	X					
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												

teklab Courier PICK UP

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	10-31-12 9:20	Stephanie Haynes	10/31/12 1045
	10/31/12 11:00		10/31/12 11:00

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

Teklab, Inc.
Environmental Laboratory

RECEIVED 12-10-12

http://www.teklabinc.com/

December 06, 2012

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618) 254-4381
FAX: (618)254-0138

RE: NPDES #005

WorkOrder: 12111321

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 11/30/2012 11:08:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco
Work Order: 12111321
Client Project: NPDES #005
Report Date: 06-Dec-12

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

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MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Client: Chemetco
Client Project: NPDES #005

Work Order: 12111321
Report Date: 06-Dec-12

Cooler Receipt Temp: 5.6 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Client: Chemetco
Work Order: 12111321
Client Project: NPDES #005
Report Date: 06-Dec-12
Lab ID: 12111321-001
Client Sample ID: NPDES #005
Matrix: AQUEOUS
Collection Date: 11/30/2012 8:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		**< 6**	mg/L	1	12/03/2012 9:38	R171123
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**< 0.10**	mg/L	1	11/30/2012 15:17	R171072
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**58**	mg/L	1	12/03/2012 14:29	R171111
STANDARD METHOD 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.50**		1	12/03/2012 9:52	R171086
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	6		**16**	mg/L	1	11/30/2012 15:34	R171054
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		**5**	mg/L	1	11/30/2012 14:41	83798
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	12/03/2012 13:58	83803
Barium	NELAP	0.0050		**0.152**	mg/L	1	12/03/2012 13:58	83803
Cadmium	NELAP	0.0020		**0.0024**	mg/L	1	12/03/2012 13:58	83803
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	12/03/2012 13:58	83803
Copper	NELAP	0.0100		**0.0430**	mg/L	1	12/03/2012 13:58	83803
Iron	NELAP	0.0200		**0.268**	mg/L	1	12/03/2012 13:58	83803
Lead	NELAP	0.0400		**0.0622**	mg/L	1	12/03/2012 13:58	83803
Manganese	NELAP	0.0050		**0.109**	mg/L	1	12/03/2012 13:58	83803
Nickel	NELAP	0.0100		**0.0493**	mg/L	1	12/03/2012 13:58	83803
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	12/03/2012 13:58	83803
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	12/03/2012 13:58	83803
Zinc	NELAP	0.0100		**0.123**	mg/L	1	12/03/2012 13:58	83803

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco
Client Project: NPDES #005

Work Order: 12111321
Report Date: 06-Dec-12

Carrier: Josh Cerar

Completed by: Timothy W. Mathis
On: 30-Nov-12

Received By: SRH

Reviewed by: Marvin L. Darling
On: 30-Nov-12

Marvin L. Darling

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		Temp ℃	**5.6**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐		Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				
When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.						
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials	☑		
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑		
Water - pH acceptable upon receipt?	Yes ☑	No ☐				
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA	☑		

Any No responses must be detailed below or on the COC.

Print Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 12111321

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco

3754 Chemetco Lane

Hartford | IL | 62048

Project: NPDES #005

Are the samples chilled? (•) Yes ( ) No with: (•) Ice ( ) Blue ice Preserved in ( ) Lab (•) Field

Cooler Temp 5.6 Sampler JYG

S2r1 11-30-12

Comments: eMail: jgarcia@chemetcoestate.com

Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia eMail see comments Phone (618) 254-4381 Requested Due Date NTAT Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
12111321 001	NPDES #005	11-30-12 0835	Other	Aqueous	X	X	X	X	X	X	X					
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												

Teklab, Inc. Corrected Up

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	11-30-12 1045		11/30/12 1045
	11/30/12 1108	Stephanie Haynes	11/30/12 11:08

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

January 08, 2013

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618) 254-4381
FAX: (618)254-0138

RECEIVED 1-10-13

NELAP ACCREDITED TNI LABORATORY

RE: NPDES #005 **WorkOrder:** 13010071

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 1/3/2013 9:47:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco
Work Order: 13010071
Client Project: NPDES #005
Report Date: 08-Jan-13

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- H - Holding times exceeded
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level

Client: Chemetco
Client Project: NPDES #005

Work Order: 13010071
Report Date: 08-Jan-13

Cooler Receipt Temp: 4.8 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco
Client Project: NPDES #005

Work Order: 13010071
Report Date: 08-Jan-13

Carrier: Timothy Mathis

Completed by: Timothy W. Mathis
On: 03-Jan-13

Received By: SRH

Reviewed by: Marvin L. Darling
On: 03-Jan-13

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp ℃	4.8	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				
When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.						
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑			
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑			
Water - pH acceptable upon receipt?	Yes ☑	No ☐				
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑			

Any No responses must be detailed below or on the COC.

Client: Chemetco
Work Order: 13010071
Client Project: NPDES #005
Report Date: 08-Jan-13
Lab ID: 13010071-001
Client Sample ID: NPDES #005
Matrix: AQUEOUS
Collection Date: 01/02/2013 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		**< 6**	mg/L	1	01/04/2013 9:59	R172299
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**0.27**	mg/L	1	01/03/2013 11:13	R172231
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**< 50**	mg/L	1	01/04/2013 10:56	R172266
STANDARD METHOD 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.22**		1	01/03/2013 13:49	R172229
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	6		**18**	mg/L	1	01/03/2013 11:31	R172236
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		**5**	mg/L	1	01/03/2013 12:10	84654
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	01/04/2013 11:35	84657
Barium	NELAP	0.0050		**0.145**	mg/L	1	01/04/2013 11:35	84657
Cadmium	NELAP	0.0020		**0.0020**	mg/L	1	01/04/2013 11:35	84657
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	01/04/2013 11:35	84657
Copper	NELAP	0.0100		**0.0273**	mg/L	1	01/04/2013 11:35	84657
Iron	NELAP	0.0200		**0.168**	mg/L	1	01/04/2013 11:35	84657
Lead	NELAP	0.0400		**< 0.0400**	mg/L	1	01/04/2013 11:35	84657
Manganese	NELAP	0.0050		**0.116**	mg/L	1	01/04/2013 11:35	84657
Nickel	NELAP	0.0100		**0.0469**	mg/L	1	01/04/2013 11:35	84657
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	01/04/2013 11:35	84657
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	01/04/2013 11:35	84657
Zinc	NELAP	0.0100		**0.130**	mg/L	1	01/04/2013 11:35	84657

Print Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 13010071

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco
3754 Chemetco Lane
Hartford | IL | 62048
Project: NPDES #005

Are the samples chilled? (•) Yes ( ) No with: (•) Ice (x) Blue ice

Preserved in ( ) Lab (✓) Field SLH 1/3/13

Cooler Temp 4.8 Sampler JYG

Comments: eMail: jgarcia@chemetcoestate.com
Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia eMail see comments Phone (618) 254-4381 Requested Due Date NTAT Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
13010071 001	NPDES #005	1-2-13 14:15	Other	Aqueous	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Teklab, Inc Courier Pick Up

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	1-3-13 900	[signature]	1.3.13 0900
[signature]	1-3-13 0947	Stephanie Haynes	1/3/13 9:47

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

APPENDIX E — Monthly Security Action Item Reports

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

November 7, 2012

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the October Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on October 2, 2012.

During the month of October, the following security items were addressed:

Security Cameras
The Estate readjusted the angle view of two of the on site security cameras to obtain a better view of the facility with the removed buildings.

There were no additional security items to report for the month of October.

The next monthly report is due by November 30, 2012. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD/Paradigm
Chris Cahnovsky, IEPA-Collinsville
Erin Rednour, IEPA-Springfield
James Morgan, IAGO
Penni S. Livingston, Livingston Law Firm
Dan C. Nester, Bryan Cave

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

November 30, 2012

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the November Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on November 7, 2012.

During the month of November, the following security items were addressed:

Security Cameras
The Estate ordered a new security camera to replace an existing security camera that required extensive repair. When the new security camera arrives, the older security camera will be replaced.

There were no additional security items to report for the month of November.

The next monthly report is due by December 31, 2012. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely.
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD/Paradigm
Chris Cahnovsky, IEPA-Collinsville
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James Morgan, IAGO
Penni S. Livingston, Livingston Law Firm
Dan C. Nester, Bryan Cave

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

January 3, 2013

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the December Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on November 30, 2012.

During the month of December, the following security items were addressed:

Security Cameras

The Estate ordered a new security camera to replace an existing security camera that required extensive repair. The Estate is currently waiting for the replacement camera to arrive.

There were no additional security items to report for the month of December.

The next monthly report is due by January 31, 2013. If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD/Paradigm
Chris Cahnovsky, IEPA-Collinsville
Erin Rednour, IEPA-Springfield
James Morgan, IAGO
Penni S. Livingston, Livingston Law Firm
Dan C. Nester, Bryan Cave